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NEW SERIES, NO. 38

Mycological Contributions of Rolf Singer: Field Itinerary, Index to New Taxa, and List of Publications

Gregory M. Mueller and Qiuxin Wu, Editors

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LANGDON, E. J. M. 1979. Yagé among the Siona: Cultural patterns in visions, pp. 63-80. In Browman, D. L., and R. A. Schwarz, eds., *Spirits, Shamans, and Stars*. Mouton Publishers, The Hague, Netherlands.

MURRA, J. 1946. The historic tribes of Ecuador, pp. 785-821. In Steward, J. H., ed., *Handbook of South American Indians*. Vol. 2. The Andean Civilizations. Bulletin 143, Bureau of American Ethnology, Smithsonian Institution, Washington, D.C.

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Mycological Contributions of Rolf Singer: Field Itinerary, Index to New Taxa, and List of Publications

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Introduction and Acknowledgments

Rolf Singer, 1906–1994, was one of the most influential figures in the history of mycology. This volume summarizes many of his contributions to the study of fungi. Chapter 1 provides information on his research program, and Chapter 2 presents his field itinerary. Much of this volume consists of an index to all of the genera, species, and infraspecific taxa described by Singer (2,452 specific and infraspecific epithets distributed in 246 genera). This index includes information on the type specimen, place of deposition, and a literature citation for the type description. The index is followed by a bibliography of his 439 publications.

The authors wish to extend their heartfelt thanks to the following people: Michael Huft for creating the program to convert our dBase records into WordPerfect files; Gail Kushino for help in searching for literature, proof-reading, photocopying, and other miscellaneous but essential tasks; Elizabeth Moore for keying in data and helping assemble the field itinerary; Martha Singer and Meinhard Moser for checking the bibliography; and the librarians at the Field Museum and the Gray and Farlow libraries at Harvard University. We also wish to thank the three anonymous reviewers whose careful reading of this manuscript greatly improved its quality.

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Summary of Rolf Singer's Contributions to Mycology

Gregory M. Mueller

Qiuxin Wu

Rolf Singer, 1906–1994 (Fig. 1), was one of the most influential figures in the history of mycology. This brief chapter distills the collections of facts presented in the rest of this volume in an attempt to synthesize the impact that Rolf Singer had on our knowledge of fungi. Two interesting works by Martha Singer, Rolf's wife and companion of 60 years, provide additional information on his life (M. Singer, 1979, 1984). Several memorials on Rolf Singer have also been published (e.g., Mueller, 1994, 1995; M. Singer, 1994). These papers provide the historical backdrop to the discussions presented below.

While the bulk of Singer's papers dealt with the systematics of Agaricales and related taxa, he also profoundly influenced our knowledge of mycogeography, fungal ecology, and ethnomycology. Contributions to these four topics make up the vast majority of his 439 papers and books (Fig. 2). However, he also published on other topics, including fossil fungi (Singer, 1957e, 1958j, 1990f), polypores (Singer, 1941a, 1943d, 1944b), human pathogens (Singer, 1955g, 1958q), and mountaineering (Singer, 1942e, f). (Complete citations to the papers cited here may be found in Chapter 4.) Singer's first five papers were published in 1922, when he was 16 years old. He continued publishing at an impressive pace for the next 70 years (Fig. 3).

During his career, Singer held academic positions on three continents and traveled extensively throughout the Americas, Europe, and parts of Asia. He also made one trip to North Africa. A detailed itinerary of his collecting expeditions, along with a listing of the countries in which he undertook fieldwork, appears in Chapter 2. These travels left a lasting impression on Singer and pro-

vided him with a unique perspective. He developed an unequaled, worldwide knowledge of the Agaricales, and this, coupled with his keen mind and sharp eye, made him uniquely qualified to influence mycology.

Systematics and Nomenclature

Singer is probably best known for his impact on the systematics and nomenclature of Agaricales and related taxa. His monumental *The Agaricales in Modern Taxonomy* (Singer, 1986a) has appeared in four editions and is almost universally used as the "accepted" classification of mushrooms and their relatives. His monographs and revisions are often the only modern treatment for many genera.

Singer's role in documenting fungal biodiversity is also unequaled, and he revolutionized what we know about Agaricales in South and Central America. Seventy-four of the 230 genera included in the fourth edition of *The Agaricales in Modern Taxonomy*, or nearly a third of the accepted genera, were proposed by Singer and his colleagues. He also proposed genera in families not treated in *The Agaricales in Modern Taxonomy*, bringing the total new genera to 82 (Table 1). Additionally, he published 2,452 specific and infraspecific epithets distributed in 246 genera (Fig. 4). Type localities for these new taxa occur in 56 countries or possessions (Table 2). However, 85% of them were originally described from the Americas, with Argentina, Bolivia, Brazil, Chile, Colombia, Mexico, and the United States together accounting for 75% (Fig. 5). Holotypes of these new taxa are housed in 40 herbaria throughout the world (Table



Figure 1. Rolf Singer proofreading manuscript pages of the 4th edition of *The Agaricales in Modern Taxonomy* in his office at the Field Museum of Natural History, circa 1985. (Courtesy of Field Museum of Natural History.)

3). Most of the specimens, however, can be found in a relatively few herbaria (Fig. 6). Chapter 3 consists of an index to the genera, species, and infraspecific taxa described by Singer. This index includes information on the type specimen, place of deposition, and a literature citation for the type description.

Singer also influenced the systematics community through his work on botanical nomenclature. He attended most of the International Botanical Congresses from the 1950s on, and he was a long-standing member of the Nomenclature Committee. His publications on the subject ranged from proposals for conservation of names (e.g., Singer, 1946b, 1961j, 1967g) to major discussions of the implications of rule changes (e.g., 1948e, 1950l, 1960g, 1965g, 1983d, 1984e, 1986b, f, 1987d).

Ecology

Singer's contributions to our knowledge of the biogeography and ecology of fungi were also extremely significant. His publications in these areas

were often the first, or among the first, investigations on the subject. He and his colleagues produced ground-breaking studies on the occurrence and importance of mycorrhizae in various forest types in temperate and tropical South America (e.g., Singer, 1959j, 1960k, 1963i, 1964g, 1971c, 1983f, 1989d). His work along the Amazon and Rio Negro in Brazil helped document the different forest types in the region and the role of fungi in the health and functioning of these systems (1978e, 1984b, c, 1986c, 1988c). He also carried out one of the first detailed community analysis studies on mushrooms in the Americas (Singer, 1965i). Although he published few papers dealing solely with biogeography (e.g., Singer, 1955h, 1967f, 1988f), he included information on biogeography in many of his monographs and regional treatments.

Ethnomycology and Mushroom Cultivation

Singer's mycological interests also included hallucinogenic and edible fungi. He played an ac-



Figure 2. Books and bound publications of Rolf Singer, as displayed during his 80th birthday testimonial dinner at the Field Museum of Natural History in 1986. (Courtesy of Field Museum of Natural History.)

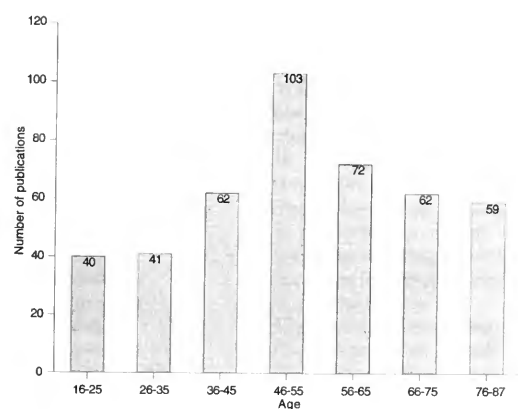


Figure 3. Number of publications of Rolf Singer by age. Singer's first scientific publications appeared in 1922, when he was 16 years old. This publishing effort peaked in his late 40s and early 50s, when he published 103 works in a span of 10 years. In total, Singer published 439 scientific papers or books.

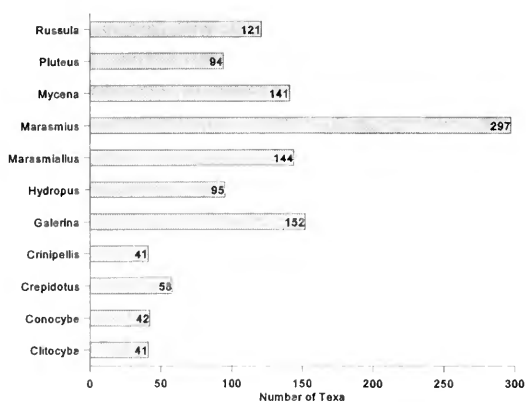


Figure 4. Genera in which Singer and associates described at least 40 new taxa. Singer and associates described 2,452 specific and infraspecific taxa. These were classified into 246 genera. He described 40 or more taxa in 11 of these genera, which account for 50% of his new taxa.

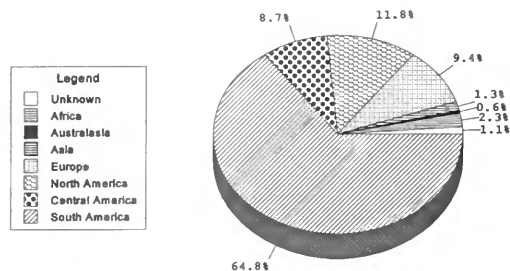


Figure 5. Geographic distribution of Singer's type specimens. Type localities for Singer's new taxa occur in 58 countries or areas. Over 85% of these taxa were described from North, Central, and South America, with Argentina, Bolivia, Brazil, Chile, Colombia, Mexico, and the United States accounting for 75%. Descriptions of 1.1% of the taxa do not include data on the country of origin.

tive role in the identification of the hallucinogenic fungi used in Mexico and in subsequent physiological, ecological, and cultural studies of these fungi (e.g., Singer, 1957f, 1958h, r). Other papers on hallucinogenic fungi include Singer, 1959h, 1960j, and 1978g. He also was active in the study of the cultivation and utilization of edible mushrooms (e.g., Singer, 1961g, 1964i, 1987a).

A summary of his publications does not fully document the impact that Rolf Singer had on mycology. He was an active correspondent, and he responded promptly to the numerous requests for assistance and information. Numerous mycologists had the pleasurable and rewarding experience of working with him in the field, and he facilitated the research of many mycologists, botanists, and zoologists working in the Neotropics.

His presence in mycology will live on through the incredible legacy that he left for us. We hope that the contributions included in this volume will help current and future mycologists tap this wealth of information.

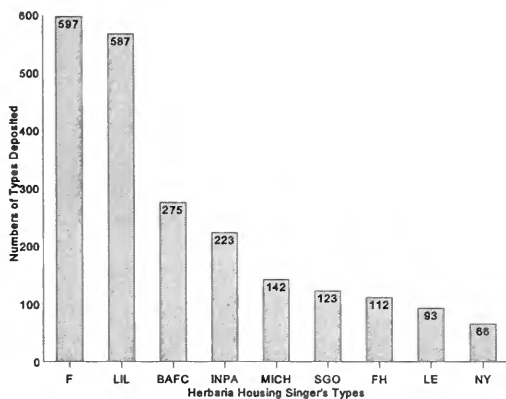


Figure 6. Herbaria with large holdings of Singer's type specimens. Singer's holotypes are preserved in 40 herbaria throughout the world. He consistently deposited type material in the institution where he was working. In some cases, parts of the holotype or paratype material for South American material are also housed in F, FH, K, or MICH. Although Singer's holotypes are scattered throughout the world, most are concentrated in the herbaria shown in this figure.

Literature Cited

- Holmgren, P. K., N. H. Holmgren, and L. C. Barnett. 1990. *Index Herbariorum. Part I: The Herbaria of the World*, 8th ed. New York Botanical Garden, 693 pp.
- Mueller, G. M. 1994. Rolf Singer's mycological legacy. *McIlvainea*, 11(2): 7–9.
- Mueller, G. M. 1995. Rolf Singer, 1906–1994. *Mycologia*, 87: 144–147.
- Singer, M. 1979. Glancing back. *Beiheft Sydowia*, 8: 14–25.
- Singer, M. 1984. *Mycologists and Other Taxa*. J. Cramer, Braunschweig, Germany, 120 pp.
- Singer, M. 1994. *In memoriam Rolf Singer*. *McIlvainea*, 11(2): 4–6.

TABLE 1. List of new genera published by Rolf Singer.

Genus	Type species basionym	Citation with page no.*
<i>Amparoina</i>	<i>Marasmius spinosissimus</i> Singer	1958a: 110
<i>Amyloflagellula</i>	<i>Cyphella pulchra</i> Berk. & Br.	1966a: 14
<i>Aphyllotus</i>	<i>A. campanelliformis</i> Singer	1973d: 29
<i>Arthrosporella</i>	<i>Armillariella ditopa</i> Singer	1970a: 17
<i>Asterotus</i>	<i>Panus dealbatus</i> Berk.	1943c: 161
<i>Austrogaster</i>	<i>A. marthae</i> Singer	1962a: 57
<i>Baeospora</i>	<i>Collybia myosura</i> Fr. <i>sensu</i> Qué! & Ricken	1938a: 191, 193
<i>Boletochaete</i>	<i>Boletus spinifer</i> Pat. & Baker	1944a: 358
<i>Bondarzewia</i>	<i>Polyporus montanus</i> Qué!.	1940: 4
<i>Brauniellula</i>	<i>B. nancyae</i> Smith	1958c: 928
<i>Callistodermatium</i>	<i>C. violascens</i> Singer	1981a: 506
<i>Callistosporium</i>	<i>Gymnopilus palmarum</i> Murr.	1944a: 363
<i>Cantharellula</i>	<i>Cantharellus umbonatus</i> Gmelin:Fr.	1936e: 281
<i>Chaetocalathus</i>	<i>Agaricus craterellus</i> Dur. & Lév.	1942a: 518
<i>Cheimonophyllum</i>	<i>Agaricus candidissimus</i> Berk. & Curt.	1955f: 417
<i>Coprinites</i>	<i>C. dominicana</i> Poinar Jr. & Singer	1990f: 1099
<i>Cryptotrama</i>	<i>C. macrobasidium</i> Singer	1960a: 375
<i>Cystangium</i>	<i>Secotium sessile</i> Massee & Rodway ex Rodway	1960h: 67
<i>Cystoagaricus</i>	<i>Nolanea strobilomyces</i> Murr.	1947b: 85
<i>Cystolepiota</i>	<i>C. constricta</i> Singer	1951e: 281
<i>Dennisiomyces</i>	<i>D. glabrescentipes</i> Singer	1955d: 225
<i>Descolea</i>	<i>D. antarctica</i> Singer	1950i: 256
<i>Diacanthodes</i>	<i>Daedalea philippinensis</i> Pat.	1945c: 141
<i>Endolepiotula</i>	<i>E. ruizlealii</i> Singer	1963a: 260
<i>Epicnaphus</i>	<i>E. phalaropus</i> Singer	1960f: 274, 279
<i>Gerronema</i>	<i>G. melanomphax</i> Singer	1951b: 599
<i>Gloeocantharellus</i>	<i>Cantharellus purpurascens</i> Hesler	1945c: 140
<i>Heimiomyces</i>	<i>Agaricus (Collybia) rheicolor</i> Berk. & Curt.	1942c: 127
<i>Hiatulopsis</i>	<i>Lepiota amara</i> Beeli	1967c: 364
<i>Hybogaster</i>	<i>H. giganteus</i> Singer	1964a: 13
<i>Hygroaster</i>	<i>H. nodulisporus</i> Dennis	1955f: 370
<i>Hygrotrama</i>	<i>H. dennisianum</i> Singer	1958d: 221
<i>Hypsizygus</i>	<i>Pleurotus tessulatus</i> (Bull.:Fr.) Gill.	1947b: 77
<i>Kuehneromyces</i>	<i>Pholiota mutabilis</i> Schaeff.:Fr.	1946d: 504
<i>Lactocollybia</i>	<i>Collybia lacrimosa</i> Heim	1951e: 177
<i>Lampteromyces</i>	<i>Pleurotus japonicus</i> Kawamura	1947b: 79
<i>Leucoagaricus</i>	<i>Leucocoprinus macrorrhizus</i> Locquin	1948c: 35
<i>Leucoinocybe</i>	<i>Mycena lenta</i> Maire	1943a: 144
<i>Linderomyces</i>	<i>Paxillus lateritius</i> Petch	1947d: 157
<i>Lulesia</i>	<i>Armillariella densifolia</i> Singer in Singer & Digilio	1970a: 16
<i>Macrolepiota</i>	<i>Lepiota procera</i> Scop.:Fr.	1946g: 141
<i>Macrometrula</i>	<i>Agaricus rubriceps</i> Cooke & Mass.	1948a: 264
<i>Manuripia</i>	<i>M. bifida</i> Singer	1960f: 273, 279
<i>Mycenella</i>	<i>Mycena (Mycenella) margaritispora</i> Lange	1938e: 9
<i>Mycoalvimia</i>	<i>M. theobromicola</i> Singer	1981a: 504
<i>Neoclitocybe</i>	<i>Omphalia byssiseda</i> Bres.	1961b: 55
<i>Neohygrophorus</i>	<i>Hygrophorus angelesianus</i> Smith & Hesler	1961b: 46
<i>Neopaxillus</i>	<i>N. echinosporus</i> Singer	1948a: 262
<i>Neosecotium</i>	<i>Secotium macrosporum</i> Lloyd	1960e: 154
<i>Nivatogastrium</i>	<i>Secotium nubigenum</i> Harkness	1959g: 224
<i>Nothoclavulina</i>	<i>N. ditopa</i> Singer	1970a: 18
<i>Nothopanus</i>	<i>Agaricus (Pleurotus) eugrammus</i> Mont.	1944a: 364
<i>Pachylepyrium</i>	<i>Phaeomarasmium fulvidula</i> Sing. in Sing. & Digilio	1957h: 321
<i>Palaeocephala</i>	<i>Marasmius cymatelloides</i> Dennis & Reid	1961b: 60
<i>Panaeolopsis</i>	<i>P. sanmartiniana</i> Singer	1969a: 367
<i>Pegleromyces</i>	<i>P. collybioides</i> Singer	1981a: 500
<i>Phaeogyroporus</i>	<i>Boletus braunii</i> Bres.	1944a: 360
<i>Phellinites</i>	<i>P. degiustoi</i> Singer & Archangelsky	1957e: 41
<i>Phylloboletellus</i>	<i>P. chloephorus</i> Singer	1951e: 438
<i>Phyllobolites</i>	<i>Paxillus miniatus</i> Rick	1942b: 59
<i>Physocystidium</i>	<i>Collybia cinnamomea</i> Dennis	1962b: 410

TABLE 1. Continued.

Genus	Type species basionym	Citation with page no.*
<i>Pleurocollybia</i>	<i>Collybia (Gymnopus) praemultifolia</i> Murr.	1947b: 80
<i>Pleurocybella</i>	<i>Pleurotus prorogens</i> Pers.:Fr.	1947b: 81
<i>Pleuroflammula</i>	<i>Crepidotus dussii</i> Pat.	1946d: 521
<i>Pleuromyccenula</i>	<i>P. ellipsoidea</i> Singer	1973d: 27
<i>Podabrella</i>	<i>Agaricus microcarpus</i> Berk. & Br. <i>sensu</i> Hoehn.	1945c: 143
<i>Porpoloma</i>	<i>P. sejunctum</i> Singer	1952c: 197, 198
<i>Psiloboletinus</i>	<i>Phylloporus lariceti</i> Singer	1945b: 250
<i>Pyrrhoglossum</i>	<i>Agaricus (Crepidotus) pyrrhys</i> Berk. & Curt.	1944a: 367
<i>Rajapa</i>	<i>Agaricus eurhizus</i> Berk.	1945c: 142
<i>Resinomycena</i>	<i>Agaricus rhododendri</i> Peck	1981b: 151
<i>Rhodarrhenia</i>	<i>Merulinus pezizoides</i> Speg.	1964b: 142
<i>Ripartitella</i>	<i>Marasmius squamosidiscus</i> Murr.	1947b: 85
<i>Scytinopogon</i>	<i>Pterula pallescens</i> Bres.	1945c: 139
<i>Smithiomyces</i>	<i>Leucomyces mexicanus</i> Murr.	1944a: 366
<i>Strobilurus</i>	<i>Agaricus conigenoides</i> Ellis	1962b: 409
<i>Thaxterogaster</i>	<i>T. magellanicum</i> Singer	1951c: 216
<i>Veloporphyrellus</i>	<i>V. pantoleucus</i> Gómez & Singer	1984f: 293
<i>Weraroa</i>	<i>Secotium novaezealandiae</i> Cunningham	1958b: 46
<i>Xanthoconium</i>	<i>Gyroporus stramineus</i> Murr.	1944a: 361
<i>Xerulina</i>	<i>Lentinus chrysopezplus</i> Berk. & Curt.	1961b: 59
<i>Zelleromyces</i>	<i>Zelleromyces cinnabarina</i> Singer & Smith	1960h: 18

* See Chapter 4, this volume, for complete citations.

TABLE 2. Type localities and numbers of Singer's new taxa.

Afghanistan	2	England	2	New Zealand	1
Antarctica	4	Finland	10	Nicaragua	2
Argentina	544	France	1	Panama	18
Australia	9	Germany	4	Peru	12
Austria	20	Guadeloupe	3	Philippines	3
Belize	4	Guiana	2	Scotland	1
Bolivia	206	Henderson Islands	3	South Africa	1
Br. West Indies	1	Honduras	2	Spain	27
Brazil	378	India	8	Switzerland	15
Cambodia	1	Indonesia	3	Trinidad	7
Canada	5	Italy	1	Uganda	1
Chile	198	Japan	5	Uruguay	3
China	4	Liberia	10	USA	279
Colombia	113	Madagascar	1	USSR	127
Costa Rica	66	Martinique	1	Venezuela	39
Cuba	2	Mexico	116	Vietnam	2
Czechoslovakia	22	Netherlands	1	Zaire	42
Dominican Republic	1	New Guinea	3	Zimbabwe	1
Ecuador	82	New Caledonia	2	Unknown	31

TABLE 3. Herbaria with holdings of Singer's type specimens.*

BAFC	275	INPA	223	Patouilla	1
BPI	3	K	20	R	2
BR	34	KAZ	1	RPC	1
BUF	1	Kohlmeyer	1	Ruiz Leal	3
DAOM	3	L	2	S	14
ENCB	4	LAU	2	SAM	2
F	597	LE	93	SGO	123
FH	113	LIL	567	SP	1
FRI	2	MEDEL	1	TENN	1
Favreano	1	MICH	142	UNC	1
H	1	NY	66	W	4
HUA	2	PC	1	WU	13
IA	3	PR	1	Unknown†	141
IAA	2	PUN	2		

* When two herbaria are cited in Singer's publication, both are counted as having the type specimen. Herbarium abbreviations are from *Index Herbariorum* (Holmgren et al., 1990).

† Most are pre-1958, before designation of type specimen was mandatory.

The Field Itinerary of Rolf Singer

Betty A. Strack

Gregory M. Mueller

Rolf Singer maintained an incredibly active fieldwork program, with mycological collecting trips undertaken to many areas of North, Central, and South America, Europe, and Japan throughout his career. Because of the complexity of his field program and because he deposited specimens at the herbaria where he was working, we felt his field itinerary would be useful to document when and where he collected. Table 4 lists the countries where Singer undertook fieldwork, and his field itinerary is given in Table 5.

Until 1941 Rolf Singer collected fungi in various parts of Europe and Asian Soviet Union. He began gathering mushrooms as a boy in the forests around his parents' home in the small village of Schliersee in southern Germany. From 1928 to 1931 he primarily collected in Austria while he was studying for his Ph.D. at the University of Vienna. He also undertook the first mycological expeditions to the western part of the Caucasus Mountains in 1928 and 1929. In 1934 he moved to Spain, then France, collecting fungi in both countries. Singer then lived in the Soviet Union (1935–1940), where he undertook mycological trips around Leningrad (St. Petersburg) and expeditions to the Caucasus and Altai Mountains, Siberia, and Karelia.

Singer moved to the United States in 1941 and worked at the Farlow Herbarium at Harvard University until 1948. In addition to collecting in the northeastern United States, Singer became acquainted with subtropical fungi while carrying out fieldwork in southern Florida. From 1948 to 1968 Singer held positions in Tucumán and Buenos Aires, Argentina, and Santiago, Chile. In addition to collecting throughout Argentina and Chile, he undertook fieldwork during this time in Bolivia, Bra-

zil, Colombia, Peru, and Uruguay, as well as in Mexico, the United States, and several countries in Europe, including Austria, the Netherlands, and Sweden. After moving to Chicago in 1968, Singer continued an intensive field schedule in South America (including Amazonian Brazil), Europe (especially Czechoslovakia, Austria, and Switzerland), Mexico, and the United States, and he started fieldwork in Costa Rica and Japan. Other places where Singer collected in more recent years included Puerto Rico, Honduras, and Morocco.

Table 5 lists most of Singer's fieldwork itinerary from 1941 to 1992. Data in Table 5 were obtained from his field notebooks and from label data of Singer collections housed at F (herbarium abbreviations follow Holmgren et al., 1990). Information before 1941 was either lacking or too difficult to accurately interpret. In addition to providing a historical record, Table 5 lists the time when he was in the field by year, to help readers locate the herbaria in which he deposited specimens from specific localities, and by month of each year, to provide information on seasonality of fruiting. Since Singer routinely deposited specimens in the institution of the country in which he was working, information on the countries where he collected may help researchers locate herbaria most likely to have Singer specimens in its holdings. In other cases, he deposited his collections at his home institution. For example, specimens from Singer's 1977 and 1978 Amazon expeditions in Brazil are located in Manaus, Brazil, at INPA, whereas many of Singer's specimens collected in 1974 in Czechoslovakia are housed in Chicago at F, his home institution. Holotypes of taxa described by Singer are preserved in 40 herbaria worldwide (see Table 3, page 7).

Some countries (e.g., Argentina, Brazil, and the United States) are subdivided into smaller areas in Table 5 because these large countries have diverse habitats and may have Singer collections in more than one herbarium. Most of his collections from subtropical Argentina and Brazil are deposited in LIL and BAFC, while specimens from temperate Argentina are primarily in BAFC. Most tropical Brazilian specimens are housed at INPA.

Many of Singer's collections were made on local day excursions from his then current home. The parts of the countries where Singer had extended residences along with his home institutions are presented here. These are southern Germany (until 1928, and from 1931 to 1933); Vienna, Austria (W, 1928–1931 and 1933); Barcelona, Spain (BCB, 1934–1935), and Paris, France (PC, 1935); Leningrad, USSR (LE, 1935–1940); Cambridge, Massachusetts, USA (FH, 1941–1948); Tucumán, Argentina (LIL, 1948–1961); Buenos Aires, Argentina (BAFC, 1961–1967); Santiago, Chile (SGO, 1967); Manaus, Brazil (INPA, 1977–1979); and Chicago, USA (F, 1968–1994). Records of these local collecting trips, especially the earlier ones (e.g., Massachusetts area, United States, from 1941 to 1948), may not be listed in Table 5.

Rolf Singer used what at first appears to be a complicated numbering system for his collections. However, if one understands the system, it is usually possible to predict where his collections might be housed. He organized his collections and corresponding field notebooks by numbers with

an assigned letter prefix. These letters correspond to the general areas where he collected, which in turn are related to where the collections might have been deposited. For the most part, the letters representing specific areas, with the most likely herbaria for housing those collections given in parentheses, are: A = Asia (low numbers at W, high numbers at F); B = tropical South America (LIL, BAFC, INPA, F); C = Europe (low numbers in European herbaria, high numbers mostly at F); F = Florida, USA (mostly at FH); M = Mexico and southern South America (LIL, BAFC, SGO, some at F); N = North America except Florida and Mexico (MICH and F); S = Buenos Aires region, Argentina (LIL, BAFC); and T = subtropical South America, Tucumán region, Argentina (LIL, BAFC, few at F). He used four additional small series of numbers: MA = Mexico (F), H = Hawaii, USA (F), V = Virginia, USA (FH), and W = White Mountains, New Hampshire, USA (FH). Herbarium abbreviations are from *Index Herbariorum* (Holmgren et al., 1990).

Even though this itinerary remains incomplete, over 50 years of Rolf Singer's diverse field program is presented here. This compilation provides information on the geographic breadth of his collections and taxonomic work.

Literature Cited

- Holmgren, P. K., N. H. Holmgren, and L. C. Barnett. 1990. *Index Herbariorum*. Part I: The Herbaria of the World, 8th ed. New York Botanical Garden, 693 pp.

TABLE 4. Rolf Singer's fieldwork, by country and year.

Country	Year(s)
Argentina	1948–1952, 1955–1966, 1969, 1988–1990
Austria	1928–1931, 1960, 1964, 1970, 1976, 1979, 1985, 1987
Bolivia	1956
Brazil	1951, 1952, 1956, 1957, 1960, 1961, 1964, 1966, 1977–1981, 1983, 1985
Canada	1984
Chile	1963, 1965, 1967
Colombia	1960, 1968
Costa Rica	1981, 1983, 1984, 1986, 1989
Czechoslovakia	1970, 1974, 1979
Denmark	1964
Ecuador	1973
France	1935?, 1970, 1971
Germany	Until 1928, 1931–1933, 1970, 1987
Great Britain	1960, 1970, 1971
Honduras	1991
Iceland	1985
Italy	1970
Japan	1983, 1984
Mexico	1957, 1969, 1982, 1988
Morocco	1992
The Netherlands	1960
Norway	1964
Peru	1958
Portugal	1961
Puerto Rico	1987
Spain	1934, 1961, 1979
Sweden	1964
Switzerland	1964, 1970, 1971, 1976, 1980, 1984
Uruguay	1952, 1965, 1966
USA	1941–1947, 1953, 1958, 1968–1976, 1979–1992
USSR	1928, 1929, 1935–1940
Yugoslavia	1970

TABLE 5. Itinerary of Rolf Singer's fieldwork since 1941.*

Year	Month(s)	Country, Region
1941	Sept	USA, NY
1942	Jul–Dec	USA, FL
1943	Jan–Jul	USA, FL
1945	Aug	USA, NH
1946	Jul, Aug	USA, VA
1947	Jun, Jul	USA, VA
1947	Jul, Aug	USA, FL
1948	Dec	Argentina, subtropical
1949	Oct–Dec	Argentina, subtropical
1950	Jan, Mar–May, Jul, Oct–Dec	Argentina, subtropical
1950	Feb	Argentina, temperate
1951	Jan, Feb–May, Dec	Argentina, subtropical
1951	Oct, Nov	Brazil, non-Amazonian
1952	Jan, Feb, May	Argentina, subtropical
1952	Sept	Uruguay
1952	Sept	Brazil, non-Amazonian
1953	Jun–Aug	USA, MI
1955	Jan–Jun	Argentina, subtropical
1956	Jan–Mar	Bolivia
1956	Mar	Brazil, Amazonian
1956	Apr–Dec	Argentina, subtropical
1956	Jun	Argentina, temperate
1957	Jan–Jun	Argentina, subtropical
1957	Apr	Brazil, non-Amazonian
1957	Jul	Mexico
1958	Jan, Feb	USA, CA
1958	May	Peru
1958	Jun, Jul, Sept, Oct, Dec	Argentina, subtropical
1959	Jan, Feb, Apr–Dec	Argentina, subtropical
1960	Jan, Mar–May	Argentina, subtropical
1960	Feb, Apr	Argentina, temperate
1960	Jul	Brazil, Amazonian
1960	Jul	Brazil, non-Amazonian
1960	Jul	Colombia
1960	Sept, Oct	Austria
1960	Oct	Great Britain
1960	Oct, Dec	The Netherlands
1961	Jan	Spain, incl. Canary Islands
1961	Jan	Portugal
1961	Jan	Brazil
1961	Jan, Feb	Argentina, temperate
1961	Feb–Jun	Argentina, subtropical
1961	Oct	Brazil, non-Amazonian
1962	Jan–May	Argentina, subtropical
1962	Jun, Jul, Oct–Dec	Argentina, temperate
1963	Jan–May, Jul, Sept, Nov	Argentina, temperate
1963	Feb	Argentina, subtropical
1963	Mar, Apr	Chile
1964	Mar, Apr, Jun	Argentina, temperate
1964	Apr, Dec	Brazil, non-Amazonian
1964	Aug	Sweden
1964	Aug	Norway
1964	Aug	Denmark
1964	Sept	Switzerland
1964	Sept	Austria
1965	Jan, Feb	Argentina, subtropical

TABLE 5. Continued

Year	Month(s)	Country, Region
1965	Jan, Dec	Uruguay
1965	May	Chile
1966	Feb	Argentina, subtropical
1966	May	Uruguay
1966	Jun, Dec	Brazil, Amazonian
1966	Nov	Argentina
1967	Mar–Oct	Chile
1968	Apr, May	Colombia
1968	May–Oct, Dec	USA, IL, WI, TN
1969	Feb, Sept, Oct	USA, CA, IL, MI
1969	Apr	Argentina, temperate
1969	Jun–Aug	Mexico
1969	Aug	USA, CO
1970	May, Jun, Sept	USA, IL
1970	Jul, Aug	Austria
1970	Jul, Aug	Switzerland
1970	Aug	Yugoslavia
1970	Sept, Oct	Czechoslovakia
1970	Oct	Great Britain
1970	Nov	Germany
1970	Dec	France
1970	Dec	Italy
1971	Feb, Apr–Aug, Nov	Switzerland
1971	May, Jun, Aug	France
1971	Oct	USA, IL
1971	Nov	Great Britain
1972	Apr, Jul–Sept, Nov	USA, IL, WI
1973	Apr, May	Ecuador
1973	Jul–Oct	USA, IL, MI, WI
1974	May, Sept, Oct	USA, IL
1974	Jun–Sept	Czechoslovakia
1975	Apr–Jul, Sept–Nov	USA, CA, IL, MI, WI
1976	Apr–Jul	Austria
1976	Jul–Nov	USA, IL, IN, CO
1976	Aug	Switzerland
1977	Apr–Dec	Brazil, Amazonian
1978	Jan–Dec	Brazil, Amazonian
1979	Jan	Brazil, Amazonian
1979	May–Jul	USA, CO, IL
1979	Jul–Nov	Austria
1979	Oct	Czechoslovakia
1979	Oct	Spain
1980	Jan–May	Brazil, Amazonian
1980	Jun–Aug	USA, IL, WI
1980	Sept	Switzerland
1981	Jan	USA, HI
1981	Apr, Jun, Aug, Sept, Nov	USA, IL, CO, MI
1981	Jun, Jul	Brazil, Amazonian
1981	Jul, Aug	Costa Rica
1982	Feb, May–Oct	USA, CA, MO, IL, MI, AR
1982	Oct, Nov	Mexico
1983	Jan, May, Jul, Sept–Nov	USA, CA, IL
1983	Mar	Brazil, Amazonian
1983	Jun	Costa Rica
1983	Sept	Japan

TABLE 5. Continued

Year	Month(s)	Country, Region
1984	May, Jun, Aug– Oct	USA, IL
1984	Jun	Costa Rica
1984	Jul	Switzerland
1984	Sept	Canada, Ontario
1984	Oct	Japan
1985	May	Brazil, Amazonian
1985	Jun, Jul	USA, IL
1985	Aug	Iceland
1985	Sept, Oct	Austria
1986	May–Oct	USA, IL, MA, WA, OR
1986	Jul, Aug	Costa Rica
1987	Feb	Puerto Rico
1987	Jul	Germany
1987	Aug	Austria
1988	Feb, Mar	Argentina, temperate
1988	Jul–Oct, Dec	USA, IL
1988	Oct	Mexico
1988	Nov	USA, WA, OR
1989	Feb, Apr	Argentina, temperate
1989	Jun–Sept	USA, IL, WI
1989	Nov	Costa Rica
1990	Jan, Feb	Argentina, temperate
1990	Dec	USA, FL
1991	Jan, Feb, Dec	USA, FL
1991	Jul	Honduras
1991	Sept	USA, IL
1992	Jul, Aug	USA, IL
1992	Dec	Morocco

* Some USA localities are not included in this itinerary.

An Index to Genera, Species, and Intraspecific Taxa of Basidiomycete Fungi Described by Rolf Singer

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In the following index, genus, species, variety, and form names published by Rolf Singer are listed alphabetically with literature citations and type specimen information. This index is intended to treat specimen-based taxa that Singer described in the literature. New genus names are included. New combinations, *nomina nova*, and supraspecific names are not listed here. Literature citations (i.e., year and a suffix: page number—e.g., 1969a: 319) correspond to the listings in Chapter 4, where full citations are given. Holotype information, including type locality, date, collector, collection number, and herbarium of deposit, is from Singer's original publications. In the few cases of discrepancies found between Singer's publications, we consulted his unpublished field notebooks and appended a short note or discussion to the listing. Many of Singer's taxa were described before enforcement of certain rules by the International Code of Botanical Nomenclature (i.e., 1 January 1935 for Latin diagnosis and 1 January 1958 for typification). Taxa described after 1935 without a Latin diagnosis are annotated with "no Latin diagnosis." Some taxa described before 1958 have data on the geographic origin of the type specimens but do not have a designated holotype. These data are presented following "Type information" to separate them from those having complete holotype information, which follows "HOLOTYPE." A question mark (?) after an herbarium name indicates that the herbarium is the possible place of deposit, based on Singer's unpublished field notes and Singer's habit of depos-

iting type specimens in the institution where he was working, even though it was not clearly stated in his publication. Herbarium abbreviations are from *Index Herbariorum* (Holmgren et al., 1990, New York Botanical Garden, Bronx. 693 pp.).

ACURTIS

sericeus ssp. *antarcticus* Singer, 1959n: 587

HOLOTYPE: Australia. Macquarie Island: Half Moon Bay, 31 January 1951, *Bunt* (LIL)

AERUGINOSPORA

hiemalis Singer & Cléménçon, 1971b: 118

HOLOTYPE: Switzerland. Vaud: Botanical Garden Lausanne, 15 February 1971, *Singer C 5251* (F)

AGARICUS

nebularum Singer, 1969a: 165

HOLOTYPE: Chile. Coquimbo: Fray Jorge, 16 April 1967, *Singer M 6511* (SGO)

valdiviae Singer, 1965i: 161

HOLOTYPE: Chile. Valdivia: Hueycolla, 30 March 1963, *Singer M 3237* (BAFC)

AGROCYBE

aegerita var. *rugosovenosa* Singer, 1953b: 19

HOLOTYPE: Argentina. Tucumán: Río de los Sosas, 26 February 1952, *Singer T 1875* (LIL)

allocystis Singer, 1969a: 225

HOLOTYPE: Argentina. Buenos Aires: Sierra de la Ventana, 15 November 1962, *Singer S 348* (BAFC)

coprophila Singer, 1941e: 99

Type information: USSR. Altai Mtns., *Singer & Vasilieva* (LE?)

firma var. *tucumana* Singer, 1959b: 398

HOLOTYPE: Argentina. Tucumán: Río de los Sosas, 4 February 1955, *Singer T 2130* (LIL). The type information for this taxon is identical to that of *Agrocybe tucumana* Singer (1973d: 76), except for the herbarium of deposit, which is BAFC.

insignis Singer, 1941b: 85

Type information: USSR. Terskiense, *Lobik* (LE?)

karelica Singer, 1941b: 85

Type information: Finland. Karelia: near Kivacz, May 1935, *Freindling* (LE?)

lazoni Singer, 1969a: 222

HOLOTYPE: Chile. Valparaíso: Viña del March, 28 July 1966, *Lazo VI-1* (SGO)

microspora Singer, 1977g: 205

HOLOTYPE: USA. Illinois: Morton Arboretum, 16 May 1970, *Singer N 2100* (F)

paradoxa Singer, 1973d: 76

HOLOTYPE: Argentina. Tucumán: near Taffí del Valle, 29 January 1962, *Singer T 3767* (BAFC)

procera Singer, 1969a: 224

HOLOTYPE: Chile. Valparaíso: Viña del Mar, March 1966, *Lazo VI-1* (SGO)

tucumana Singer, 1973d: 76

HOLOTYPE: Argentina. Tucumán: Río de los Sosas, 4 February 1955, *Singer T 2130* (BAFC). The type information for this species is identical to that of *Agrocybe firma* var. *tucumana* (1959b: 398), except for the herbarium of deposit.

viscosa Singer, 1969a: 223

HOLOTYPE: Chile. Santiago: Maipú, 8 September 1966, *Lazo RI-8* (SGO)

xerophytica Singer, 1959b: 399

HOLOTYPE: Argentina. Tucumán: above San Pedro de Colalao, 21 January 1955, *Singer T 2053* (LIL)

ALNICOLA

devia Singer, 1950a: 150

HOLOTYPE: Argentina. Buenos Aires: Punta Lara, 9 June 1949, *Singer S 111* (LIL)

diplocystis Singer, 1950a: 151

HOLOTYPE: Argentina. Tucumán: above Taffí del Valle, 1 May 1949, *Singer T 503* (LIL)

lignicola Singer, 1939a: 67

Type information: USSR. Kazakhstan: Alma Ata, *Nevodovski* (LE?)

AMANITA

aestivalis Singer ex Singer, 1959b: 390

HOLOTYPE: USA. Michigan: Cheboygan County, Burt Lake, 29 July 1953, *Singer N 899* (F)

diemii Singer, 1954b: 120, 121

HOLOTYPE: Argentina. Neuquén: Nahuel Huapi National Park, Quettrihué, 13 May 1952, *Singer M 562* (LIL)

foetens Singer, 1953b: 15

HOLOTYPE: Argentina. Tucumán: Pié del Periquillo, 30 December 1951, *Singer & Helberger T 1672* (LIL)

humboldtii Singer, 1963b: 241

HOLOTYPE: Colombia. Cundinamarca: above Pacho, Los Robedales, 26 July 1960, *Singer B 3527* (BAFC)

lilloi Singer in Singer & Digilio, 1951e: 245

HOLOTYPE: Argentina. Tucumán: Sierra de San Javier, Ciudad Universitaria, 6 November 1950, *Grassi [Singer no.] T 1016* (LIL) [Published in 1952]

nana Singer, 1941b: 85

Type information: USSR. Kazakhstan, April 1915, *Fedtschenko* (LE?)

AMPAROINA Singer, 1958a: 110

Type species: *Marasmius spinosissimus* Singer

heteracantha Singer, 1976j: 58

HOLOTYPE: Colombia. Valle: Cali, Buenaventura, San Joaquín, 19 April 1968, *Singer B 6250* (F)

AMYLOFLAGELLULA Singer, 1966a: 14

Type species: *Cyphella pulchra* Berk. & Br.

ANTHRACOPHYLLUM

paxilloides Singer, 1955d: 227

HOLOTYPE: Brazil. Pernambuco: Recife, Dois Irmãos, 10 April 1955, *Jose de Silva & Batista 2225* (LIL)

APHYLLOTUS Singer, 1973d: 29

Type species: *A. campanelliformis* Singer

campanelliformis Singer, 1973d: 29

HOLOTYPE: Colombia. Cundina marca: Futagasuga, 11 April 1968, *Singer B 6034* (F)

ARCANGELIELLA

crassa Singer & Smith, 1960h: 74

HOLOTYPE: USA. California: Stanislaus National Forest, 25 July 1931, *Patty s.n.* (NY)

ARMILLARIELLA

affinis Singer, 1989a: 12

HOLOTYPE: Costa Rica. Heredia: Varablanca, near Hacienda "Tirol", 11 June 1984, *Singer B 14615* (F)

clavuligera Singer in Singer & Digilio, 1951e: 70

HOLOTYPE: Argentina. Tucumán: Santa Rosa, 17 December 1950, *Singer T 1060* (LIL) [Published in 1952]

densifolia Singer in Singer & Digilio, 1951e: 72

HOLOTYPE: Argentina. Tucumán: Quebrada de Lules, 2 April 1949, *Singer T 367* (LIL). [Published in 1952]

ditopa Singer, 1950c: 191

HOLOTYPE: Argentina. Tucumán: Anta Muerta, 10 April 1949, *Singer & Digilio [Singer no.] T 403* (LIL). The type information is identical to that of *Nothoclavulina ditopa* Singer (1970a: 18).

griseomellea Singer, 1969a: 40

HOLOTYPE: Chile. Valdivia: Cordillera Pelada, 1-4 May 1967, *Singer M 6574* (SGO)

minuta Singer & Digilio, 1954b: 106, 107

Type information: Argentina. Neuquén: Nahuel Huapí National Park, Quetrihué, May 1952, *Singer M 576/M667?* (LIL)

montagnei Singer, 1956f: 182

HOLOTYPE: Argentina. Neuquén: Quetrihué, 13 May 1952, *Singer M 513* (LIL)

montagnei var. *umbrinobrunnea* Singer, 1956f: 183

HOLOTYPE: Argentina. Neuquén: Quetrihué, 14 May 1952, *Singer M 596* (LIL)

puiggarii ssp. *tigrensis* Singer, 1970a: 8

HOLOTYPE: Argentina. Buenos Aires: Punta Lara, 1 June 1949, *Singer S 58* (LIL)

saviczii Singer, 1938e: 6

Type information: USSR. *Savicz* (LE?)

sparrei Singer, 1956f: 183

HOLOTYPE: Chile. Juan Fernández Island: Mása Tierra, Quebrado Piedra Agujereada, 12 March 1955, *Sparre F 33* (R, LIL)

sparrei var. *elaeodes* Singer, 1969a: 45

HOLOTYPE: Argentina. Neuquén: Puerto Manzano, 18 May 1952, *Singer M 741* (LIL)

sparrei var. *xantha* Singer, 1969a: 45

HOLOTYPE: USA. Michigan: Hell, 23 September 1957, *Singer M 1620* (MICH)

viridiflava Singer, 1989a: 12

HOLOTYPE: Spain. Catalonia: Mountains near Tossa, 24 October 1979, *Singer C 9601* (F)

yungensis Singer, 1970a: 12

HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Carmen Pampa, 19 February 1956, *Singer B 1268* (LIL)

ARTHROSPORELLA Singer, 1970a: 17

Type species: *Armillariella ditopa* Singer

ASTEROTUS Singer, 1943c: 161

Type species: *Panus dealbatus* Berk.

argentinus Singer in Singer & Digilio, 1951e: 107

HOLOTYPE: Argentina. Tucumán: Río de los Sosas, 27 January 1951, *Singer T 1136* (LIL). [Published in 1952].

graminum Singer, 1969a: 57

HOLOTYPE: Argentina. Neuquén: Cerro Colorado, 9-10 March 1959, *Singer M 1733* (BAFC)

AUSTROBOLETUS

graciliaffinis Singer, 1989a: 126

HOLOTYPE: Brazil. Amazonas: Road Manaus-Caracará, km 45, 31 March 1980, *Webber [Singer no.] B 12088* (INPA)

neotropicalis Singer, Garcia & Gómez, 1991a: 53, 88

HOLOTYPE: Costa Rica. Guanacaste: Bagaces, 7 km NW of town, October 1982, *Gómez 18708* (F)

olivaceus Singer, 1983f: 132

HOLOTYPE: Brazil. Amazonas: Road Manaus-Caracará, km 125, 20 July 1978, *Singer & Araujo [Singer no.] B 11323* (INPA)

AUSTROGASTER Singer, 1962a: 57

Type species: *Austrogaster marthae* Singer

baeospermum Singer, 1969a: 360

HOLOTYPE: Argentina. Río Negro: Cerro Otto, February 1934, *Burkart 4400* (BAFC)

marthae Singer, 1962a: 57

HOLOTYPE: Argentina. Neuquén: Nahuel Huapí National Park, February, *Singer M 3040* (LIL)

BAEOSPORA Singer, 1938a: 191, 193

Type species: *Collybia myosura* Fr. *sensu* Qué! & Ricken

mundula Singer, 1989a: 90

HOLOTYPE: Brazil. Amazonas: Igarapé do Tarumãzinho, 14 May 1980, *Singer B 12168* (INPA)

oligophylla Singer, 1938a: 194

Type information: USSR. Altai Mtns.: Czuiskie Alpy, August 1937. *Singer & Vasilieva* (LE?)

pallida Singer, 1978h: 40

HOLOTYPE: Ecuador. Napo: Shushufindi, 15 May 1973, *Singer B 7451* (F)

BOLBITIUS

- exiguus* Singer, 1936i: 433
Type information: Spain. Catalonia: Pyrenees Mtns., July 1934.
- mesosporus* Singer, 1977g: 219
HOLOTYPE: Ecuador. Tungurahua: Baños, 27 April 1973, *Singer B 7148* (F)
- tucumanensis* Singer, 1959b: 398
HOLOTYPE: Argentina. Tucumán: Quebrada de la Higuera, 25 January 1955, *Singer T 2081* (LIL). Also published in Singer, 1961b: 69.

BOLETELLUS

- ananas* var. *crassotunicatus* Singer, 1983f: 152
HOLOTYPE: Nicaragua. Siilma Sia, May 1976, *Ivory S/23* (F)
- ananas* var. *minor* Singer, 1983f: 153
HOLOTYPE: Brazil. Amazonas: Road Manaus-Caracará, km 115, 4 April 1978, *Singer B 10913* (INPA)
- coccineus* var. *amarus* Singer, 1992a: 8
HOLOTYPE: Costa Rica. Guanacaste: Bagaces, 7 km NW of town, *Gómez & Alfaro 22101* (F)
- fibuliger* Singer, 1983f: 154
HOLOTYPE: Venezuela. Dto Federal: Parque Nacional El Avila, 27 July 1972, *Dumont, Cain & Samuels [Dumont no.] VE-6201* (NY)
- ivoryi* Singer, 1983f: 163
HOLOTYPE: Belize. Augustine: Forest Station, 18 June 1976, *Ivory S/125* (F)
- linderi* Singer, 1945a: 134
Type information: Liberia. Miamu, *Linder 408* (FH)
- pictiformis* var. *fallax* Singer, 1945a: 132
HOLOTYPE: USA. Florida: Alachua County, Kelley's Hammock, 14 July 1943, *Singer F 2716* (FH)

BOLETINUS

- asiaticus* Singer, 1938d: 164
Type information: USSR. (LE?)
- oxydabilis* Singer, 1938d: 160
Type information: USSR. Altai Mtns.: Lake Telezkoje, September 1937, *Singer* (LE?)

BOLETOCHAETE Singer, 1944a: 358

- Type species: *Boletus spinifer* Pat. & Baker
- brunneosetosa* Singer, 1944a: 359
Type information: Liberia. Nengbe, April, *Harley* (FH?)

BOLETUS

- austrinus* Singer, 1945i: 798
Type information: USA. Florida: Miami.

- chilensis* Singer, 1967b: 69
HOLOTYPE: Chile. Valdivia, 27 April 1967, *R. & M. Singer & Hernandez [Singer no.] 6933* (SAM)
- frostii* ssp. *floridanus* Singer, 1945i: 799
Type information: USA. Florida: Sebring.
- fuligineotomentosus* Singer, 1973d: 101
HOLOTYPE: Colombia. Valle: Río Pance, 3 May 1968, *Singer B 6958* (F)
- granulosiceps* Singer, 1945i: 798
Type information: USA. Florida: Miami.
- griseus* ssp. *pinicaribaeae* Singer, 1945i: 797
Type information: USA. Florida: Coral Gables.
- guadelupae* Singer & Fiard, 1976i: 445
HOLOTYPE: Guadeloupe. Matouba, 31 July 1975, *Fiard s. n.* (F)
- heterodermus* Singer, 1989a: 124
HOLOTYPE: Costa Rica. Puntarenas: Río Baru, August 1983, *Gómez 21548* (F)
- hypocarycinus* Singer, 1945i: 798
Type information: USA. Florida: Alachua County, Gainesville.
- michoacanus* Singer, 1977g: 256
HOLOTYPE: Mexico. Michoacán: Parque Nacional near Mirador, 9 August 1969, *Singer M 8998/II* (F)
- patouillardii* Singer, 1947a: 55
HOLOTYPE: Cambodia, Reserve Forestiere de Campong Chhuong, July, *Petelot 222* (FH)
- rubellus* ssp. *bicoloroides* Singer, 1945i: 798
Type information: USA. Florida: Alachua County.
- rubellus* ssp. *caribaeus* f. *serotinus* Singer, 1947a: 53
Type information: USA. Florida: Dade County.
- rubellus* ssp. *caribaeus* Singer, 1945i: 798
Type information: USA. Florida: Miami.
- rubellus* ssp. *consobrinus* Singer, 1945i: 798
Type information: USA. Florida: Miami.
- rubellus* ssp. *dumetorum* f. *crassotunicatus* Singer, 1947a: 51
HOLOTYPE: USA. Florida: Dade County, Matheson Hammock, 8 October 1942, *Singer F 976* (FH)
- rubellus* ssp. *dumetorum* Singer, 1945i: 798
Type information: USA. Florida: Miami.
- rubellus* ssp. *fraternus* f. *subdumetorum* Singer, 1947a: 49
HOLOTYPE: USA. Florida: Highlands County, Highlands Hammock State Park, 8 September 1942, *Singer F 648a* (FH)
- rubricitrinus* var. *fairchildianus* Singer, 1945i: 798
Type information: USA. Florida: Miami.
- splendidus* ssp. *moseri* Singer & Kuthan, 1976h: 151
HOLOTYPE: Czechoslovakia. Slovakia: Raková, near Cadca, 31 August 1975, *J. Kuthan 75/S 141* (F)

subsolitarius Singer, 1945i: 798

Type information: USA. Florida: Miami.

subvelutipes f. *glabripes* Singer, 1947a: 70

HOLOTYPE: USA. Florida: Alachua County, Gainesville, 30 May 1943, *Singer F 2169* (FH)

weberi Singer, 1945i: 797

Type information: USA. Florida: Alachua County, Gainesville.

BONDARZEWIA Singer, 1940: 4

Type species: *Polyporus montanus* Quéf.

perniciosa Singer, 1953c: 884

HOLOTYPE: Argentina. Neuquén: Quettrihué, May 1952, *Singer M 608* (LIL)

BRAUNIELLULA Smith & Singer, 1958c: 928

Type species: *Brauniellula nancyae* Smith

leucosarx Smith & Singer, 1958c: 928

HOLOTYPE: USA. Idaho, Payette National Forest, 31 July 1958, *Smith 59316* (MICH?)

CALATHINUS

substriatulus Singer, 1943a: 156

Type information: USSR. Altai Mtns. (Kurai), August.

CALLISTODERMATIUM Singer, 1981a: 506

Type species: *Callistodermatium violascens* Singer

violascens Singer, 1981a: 506

HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 3 June 1977, *Singer B 9926* (F)

CALLISTOSPORIUM Singer, 1944a: 363

Type species: *Gymnopilus palmarum* Murr.

amazonicum Singer, 1977g: 263

HOLOTYPE: Brazil. Rio Grande do Sul: Guaporé, near Guajará mirim, 10 March 1956, *Singer* (BAFC)

chrysophorum Singer, 1961b: 51

HOLOTYPE: USA. Florida: Alachua County, 8 June 1943, *Singer F 2227* (F)

favrei Singer, 1977g: 262

HOLOTYPE: Switzerland. Vaud Bois de Chene: Chene pr., Nyon, 18 October 1942, Favreano (Favreano)

galerinoides Singer, 1948c: 29

HOLOTYPE: USA. Florida: Alachua County, Sugarfoot Hammock, 5 July 1943, *Singer F 2598* (FH)

luteofuscum Singer, 1953d: 115

HOLOTYPE: Brazil. Rio Grande do Sul: Sao Leopoldo, 31 October 1951, *Singer B 27* (LIL)

luteofuscum var. *maior* Singer, 1969a: 53

HOLOTYPE: Chile. Valparaíso: Viña del Mar, 16 July 1966, *Lazo VI-3* (SGO)

psilocybe Murrill & Singer, 1944a: 363

Type information: USA. Florida: Juniper Springs, October, *Murrill* (FH?)

terrigenum Singer, 1950c: 192

HOLOTYPE: Argentina. Tucumán: between San Pablo and Parque Aconquija, 2 April 1949, *Singer* (LIL)

CALOCYBE

africana Singer, 1977g: 268

HOLOTYPE: Zaire. Panzi Kivu, *Goossens-Fontana 5334* (BR)

alneti Singer, 1977g: 267

HOLOTYPE: Argentina. Jujuy: Lagunas de Yala, 14 February 1966, *Singer* (F)

atropapillata Singer, 1977g: 269

HOLOTYPE: Ecuador. Napo: Lago Agrio, 8 May 1973, *Singer B 7284* (F)

bipigmentata Singer, 1977g: 267

HOLOTYPE: Brazil. Pernambuco: Dois Irmãos, 13 July 1960, *Singer* (F)

caucasica Singer, 1961b: 47

Type information: USSR. Caucasus: Krasnodar Yatyrgarta, 29 July 1935, *Vassilieva* (LE, KAZ)

coniceps Singer, 1977g: 268

HOLOTYPE: Venezuela. Dto Federal: Parque Nacional El Avila, 27 July 1972, *Dumont and others VE 6205* (NY)

cyanea Singer ex Redhead & Singer, 1978c: 501

HOLOTYPE: Brazil. Sta Catharina: Porto Novo, 1928, *Rick s. n.* (FH). Basionym: *Calocybe cyanea* Singer, 1946g: 126 (nom. invalid).

cyanella Singer ex Redhead & Singer, 1978c: 501

HOLOTYPE: USA. Florida: Dade County, near Miami, at Matheson Hammock, *Singer F 734* (FH). Basionym: *Calocybe cyanella* Singer, 1946g: 124 (nom. invalid).

fibrillosa Singer, 1950c: 192

HOLOTYPE: Argentina. Tucumán: Taff del Valle, Parque Aconquija, 8 May 1949, *Singer T 546* (LIL)

heterospora Singer, 1961b: 46

HOLOTYPE: USA. Florida, Dade County, Matheson Hammock, 9 November 1942, *Singer F 1452c* (FH)

rubra Rick in Singer ex Redhead & Singer, 1978c: 501

HOLOTYPE: Brazil. 1928, *Rick* 585 (FH). Basionym: *Calocybe rubra* Rick in Singer, 1948. Pap. Mich.Acad. Sci. Arts & Lett. 32: 126 (nom. invalid)

CALYPTELLA

bonairensis Singer, 1973d: 27

HOLOTYPE: Argentina. Buenos Aires: La Plata, 20 June 1962, *Singer S* 206 (BAFC)

epibrya Singer, 1973d: 25

HOLOTYPE: Argentina. Tucumán: Sierra de San Javier, 14 May 1961, *Singer T* 3743 (LIL)

flava Singer, 1977g: 270

HOLOTYPE: Argentina. Jujuy: Lagunas de Yala, 9 February 1965, *Singer* (F)

pteridophytorum Singer, 1973d: 26

HOLOTYPE: Colombia. Valle: Dagua, 27 April 1968, *Singer B* 6413 (F)

CAMAROPHYLLUS

adonis Singer, 1952c: 172

HOLOTYPE: Argentina. Tierra del Fuego: Río Grande, Estancia Nueva Argentina, Lago Fagnano, 18 February 1950, *Singer M* 351 (LIL)

grinlingii Singer, 1973d: 2

HOLOTYPE: Zaire. Brazzaville: Rte. de Linzolo, no date, *Grinling* 71106 (RPC). Isotype: F

hieronymi Singer, 1977g: 277

HOLOTYPE: Bolivia. Nor-Yungas: La Paz, San Geronino, 7 February 1956, *Singer B* 968 (F)

laccarioides Singer, 1952c: 170

HOLOTYPE: Argentina. Tierra del Fuego: Río Grande, Estancia Nueva Argentina, 16 February 1950, *Singer M* 300 (LIL)

paraiboensis Singer, 1977g: 278

HOLOTYPE: Brazil. Paraíba: near João Pessoa, 11 July 1960, *Singer B* 3334 (BAFC)

patagonicus Singer, 1969a: 9

HOLOTYPE: Chile. Llanquihué: Puerto Mont y San Agustín, 8 May 1967, *Singer M* 6790 (SGO)

CAMPANELLA

aberrans Singer, 1975c: 855

HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Co-roico, 12 February 1956, *Singer B* 1116 (LIL)

aequatorialis Singer, 1975b: 240

HOLOTYPE: Ecuador. Tungurahua: Río Verde, 26 April 1973, *Singer B* 7128 (F). Also published in Singer, 1975c: 869.

aeruginea Singer, 1975c: 854

HOLOTYPE: Argentina. Tucumán: S. M. Tucumán, 22 January 1955, *Singer T* 2078 (LIL)

alnetorum Singer, 1975c: 866

HOLOTYPE: Argentina. Jujuy: Lagunas de Yala, 14 February 1966, *Singer T* 5140a (F)

austrorhilensis Singer, 1969a: 86

HOLOTYPE: Chile. Llanquihué: Puella, 20 March 1959, *Singer M* 1948 (LIL)

candida var. *stipitata* Singer, 1955a: 765

HOLOTYPE: Argentina. Catamarca, Santa Rosa, Vallis Río Campo, 18 January 1954 (LIL)

castaneipes Singer, 1975c: 856

HOLOTYPE: Colombia. Boyacá: between Ramiriquí and Rondón, 30 July 1960, *Singer B* 3632 (F)

dendrophora Singer, 1955a: 763

HOLOTYPE: Argentina. Neuquén: Puerto Manzano, 18 May 1952, *Singer M* 746 (LIL)

diplocystis Singer, 1975c: 868

HOLOTYPE: Peru. Cuzco: Urubamba, Machu Picchu, 20 May 1958, *Singer B* 3025 (LIL)

elongatispora Singer, 1975c: 851

HOLOTYPE: Argentina. Jujuy: Lagunas de Yala, 11 February 1965, *Singer T* 4024 (F)

floridana Singer, 1950e: 249

HOLOTYPE: USA. Florida: Newnan's Lake, 31 July 1947, *Singer F* 3428 (FH)

gigantospora Singer, 1975c: 874

HOLOTYPE: Australia. New South Wales: between Major's Crk. & Araluen, March 1970, *McVean s. n.* (F)

peullensis Singer, 1969a: 85

HOLOTYPE: Chile. Llanquihué: Puella, 20 March 1959, *Singer M* 1894 (LIL)

podocarpus Singer, 1975c: 864

HOLOTYPE: Argentina. Jujuy: 15 km NE of Posta de Lozano, 20 February 1966, *Singer T* 5307 (F)

tenuitunicata Singer, 1955a: 764

HOLOTYPE: Argentina. Catamarca: Santa Rosa, Suncho, Vallis Río Campo, 18 January 1952, *Singer T* 1750 (LIL)

witteana Singer, 1975c: 876

HOLOTYPE: Zaire. Parc National Albert, 17 June 1953, *Frédéricq* 9440 (BR)

CANTHARELLULA Singer, 1936e: 281

Type species: *Cantharellus umbonatus* Gmelin

infundibuliformis Singer, 1969a: 64

HOLOTYPE: Argentina. Río Negro: Laguna Frías, 3 May 1964, *Singer M* 3861 (BAFC)

CHAETOCALATHUS Singer, 1942a: 518.

[Published in 1943].

Type species: *Agaricus craterellus* Dur. & Lév.

- aurantiacus* Singer, 1976a: 57
HOLOTYPE: Bolivia. Pando: Manuripi, Conquista, 25 March 1956, *Singer B 2201* (F)
- carnelioruber* Singer, 1942a: 526
Type information: Guiana. Bartica, 9 December 1923, *Linder* (FH). [Published in 1943].
- eurysporus* Singer, 1978f: 195
HOLOTYPE: Panama. Panamá: near “Altos de Pacora”, 30 June 1975, *Dumont, Carpenter & Mori* [*Dumont no.*] *P 1540* (NY). Also see 1989a: 67.
- pachytrichus* Singer, 1942a: 522
HOLOTYPE: Phillippine Islands. Laguna: Mt. Makiling, July 1916, *Baker 4356* (FH). [Published in 1943].

CHAETOTYPHULA

- amylochaete* Singer, 1978h: 1
HOLOTYPE: Ecuador. Zamora, 21 km from Zamora on the Zamora-Zanxaza Rd., 31 July 1975, *Dumont EC 1784* (NY)
- columbiana* Singer, 1978h: 2
HOLOTYPE: Colombia. Antioquia: Medellín, 20 July 1974, *Dumont and others CO 1744* (NY or F?)
- montana* Singer, 1978h: 3
HOLOTYPE: Argentina. Jujuy: Lagunas de Yala, 9 February 1965, *Singer T 3920* (BAFC)

CHAMAEMYCES

- paraensis* Singer, 1989a: 100
HOLOTYPE: Brazil. Pará: Belem, 7 June 1966, *Singer B 4243* (BAFC)

CHAMONIXIA

- brevicolumna* Smith & Singer, 1959f: 219
HOLOTYPE: USA. Idaho, Payette National Forest, 26 August 1958, *Smith 60519* (MICH)

CHEIMONOPHYLLUM Singer, 1955f: 417

- Type species: *Agaricus candidissimus* Berk. & Curt.

CHLOROPHYLLUM

- molybdites* var. *luteolosperma* Singer, 1946g: 139
HOLOTYPE: USA. Florida: Alachua County, Gainesville, 16 May 1943, *Singer F 1953a* (FH). [Published in 1948].

CHROOGOMPHUS

- rutilus* ssp. *michoacanensis* Singer & Kuthan, 1976e: 85
HOLOTYPE: Mexico. Michoacán: San José de Purúa, 8 August 1969, *Singer M 8986* (F)

CLAVARIA

- albidobisa* Singer, 1969a: 390
HOLOTYPE: Chile. Concepción: Boca del Bio-Bio, 11 November 1967, *Singer M 7814* (SGO)
- alliodora* Bond & Singer, 1936j: 724
No type information given.
- floridana* Singer, 1945d: 425
HOLOTYPE: USA. Florida: Dade County, 17 September 1942, *Singer F 733* (FH)
- leucoporphyrina* Singer, 1947c: 205
Type information: Spain. Catalonia: Riu de Sant Maurici, July 1934, *Singer*.
- wettsteinii* Singer, 1931: 515
Type information: USSR. Caucasus.
- xanthoporphyrina* Singer, 1947c: 205
Type information: Spain. Catalonia: Riu de Sant Maurici, July 1934, *Singer*.

CLAVULINA

- angustisperma* Singer, 1969a: 387
HOLOTYPE: Argentina. Río Negro: Nahuel Huapí National Park near Santa Maria, 19 April 1965, *Singer M 5061* (BAFC)

CLITOCYBE

- aberrantissima* Singer, 1953d: 118
HOLOTYPE: Brazil. Rio Grande do Sul: Parecí, 2 November 1951, *Singer B 52* (LIL)
- acicola* Singer ex Singer, 1990b: 6
HOLOTYPE: USSR. Kurai: Altai Mtns., 15 August 1938, *Singer A 103* (LE)
- aconquijensis* Singer in Singer & Digilio, 1951e: 38
HOLOTYPE: Argentina. Tucumán: Taff del Valle, Parque Aconquija, 30 March 1951, *Singer T 1461* (LIL). [Published in 1952].
- aprilis* Singer in Singer & Digilio, 1951e: 27
HOLOTYPE: Argentina. Tucumán: Taff del Valle, Parque Aconquija, 14 April 1951, *Singer T 1478* (LIL). [Published in 1952].
- asema* Singer, 1973d: 11
HOLOTYPE: Argentina. Tucumán: near Aguadita, 25 February 1951, *Singer T 1328* (LIL)
- augustinensis* Singer, 1955a: 766
HOLOTYPE: Trinidad. St. Augustine, 9 February 1950, *Wilson [Dennis no.] 481* (K)
- bresadoliano-affinis* Singer, 1943a: 35
Type information: USSR. Altai Mtns.
- brevibasidiata* Singer, 1943a: 45
Type information: USSR. Altai Krai: Artubash, aimak Turoczak. Published as *Clitocybe (Omphalina) brevibasidiata*.

catalaunica Singer, 1943a: 30

Type information: Spain. Catalonia: Vall d'Aran, Salardú. September. 1934. Also published in Singer, 1947c: 242.

caucasica Singer, 1978f: 230

HOLOTYPE: USSR. Swanetia: Central Caucasus, 20 August 1928, *Singer* (W)

coluiana Singer, 1973d: 11

HOLOTYPE: Colombia. Cauca: Gabriel López, San Pedro, 5 May 1967, *Singer B* 6967 (F)

cystidiosa Singer, 1967c: 356

HOLOTYPE: Zaire. Brazzaville: 'Route de Lifoula', November 1965, *Grinling* 51,110 (BAFC)

duckeana Singer, 1989a: 8

HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 12 July 1978, *Singer* (INPA). No collection number given.

espinosae Singer, 1969a: 33

HOLOTYPE: Chile. Santiago: Quebrada Diego, 6 July 1967, *Singer M* 7109 (SGO)

exilis Singer, 1989a: 9

HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 6 April 1977, *Singer B* 9618 (INPA)

fimbriata Singer, 1978f: 231

HOLOTYPE: Bolivia. El Beni: Vaca Diez, Oriente, 16 March 1956, *Singer B* 2008 (LIL, BAFC)

hyacinthina Singer, 1943a: 46

Type information: USSR. Oirotia: Aimak Czoia. Published as *Clitocybe* (*Omphalina*) *hyacinthina*.

kabulensis Singer, 1955a: 766

HOLOTYPE: Afghanistan. Tangi gharu: near Kabul, 12 March 1950, *Gilli LXXXVI* (W)

laricicola Singer, 1943a: 28

Type information: USSR. Altai Mtns.

lignicola Singer, 1973d: 12

HOLOTYPE: Bolivia. El Beni: Vaca Diez, 12 March 1956, *Singer B* 1900 (LIL)

melliolens Singer in Singer & Digilio, 1951e: 34

HOLOTYPE: Argentina. Buenos Aires: Garibaldi, 30 May 1949, *Singer S* 38 (LIL). [Published in 1952].

monticola Singer, 1943a: 30

Type information: Spain. Catalonia: Pyrenees Mtns., Aiguamoix, July, 1943. Also published in Singer, 1947c: 221.

montivaga Singer, 1978f: 232

HOLOTYPE: Ecuador. Tungurahua: Baños, 1 May 1973, *Singer B* 7234 (F)

nothofageti Singer, 1954b: 103

HOLOTYPE: Argentina. Neuquén: Nahuel Huapi National Park, 15 May 1952, *Singer M* 640 (LIL)

obscuratipes Singer, 1969a: 32

HOLOTYPE: Argentina. Neuquén: Nahuel Huapi National Park, above Puerto Manzano, 19 March 1963, *Singer M* 3088 (BAFC)

oligophylla Singer in Singer & Digilio, 1951e: 40

HOLOTYPE: Argentina. Tucumán: Cerro Alto del Taficillo, 4 March 1951, *Singer T* 1381 (LIL). [Published in 1952].

pleurotus Singer, 1952c: 182

HOLOTYPE: Argentina. Tierra del Fuego: Río Grande, Estancia Nueva Argentina, 10 February 1950, *Singer M* 175 (LIL)

polylepidicola Singer, 1989a: 9

HOLOTYPE: Argentina. Jujuy: Lagunas de Yala, 10 February 1965, *Singer T* 4025 (BAFC)

praeandina Singer, 1955c: 147

HOLOTYPE: Argentina. Tucumán: Sierra de San Javier, 1955, *Singer T* 2215 (LIL)

scandens Singer in Singer & Digilio, 1951e: 36

HOLOTYPE: Argentina. Tucumán: Sierra de San Javier, Anta Muerta, 24 April 1949, *Singer, Digilio & Grassi* [*Singer no.*] *T* 490 (LIL). [Published in 1952].

spodoxutha Singer, 1953b: 3

HOLOTYPE: Argentina. Tucumán: near Tapia, 6 January 1952, *Singer T* 1708 (LIL)

steppicola Singer, 1943a: 33

Type information: USSR. Oirotia: aimak Koschagatsch, August.

subhygrophana Singer, 1943a: 27

Type information: USSR. Altai Mtns.

subhygrophanoides Singer, 1952c: 181

HOLOTYPE: Argentina. Tierra del Fuego: Río Grande, Estancia Nueva Argentina, 13 February 1950, *Singer M* 245 (LIL)

subleptoloma Singer, 1952c: 179

HOLOTYPE: Argentina. Tierra del Fuego: Río Grande, Estancia Nueva Argentina, 10 February 1950, *Singer M* 169 (LIL)

subsquamulosa Singer, 1943a: 35

Type information: USSR. Altai Mtns., July-August.

subulifera Singer, 1955a: 767

HOLOTYPE: Argentina. Tucumán: De "Tapia" vs. mer., 17 February 1951, *Singer T* 1220 (LIL)

tournefortiae Singer, 1989b: 794

HOLOTYPE: Henderson Islands. (South Pacific), Northwest Beach, *Schuster* 00007 (F)

tungurahuae Singer, 1978f: 233

HOLOTYPE: Ecuador. Tungurahua: Río Topo, 30 April 1973, *Singer B* 7215 (F)

vasilievae Singer, 1941b: 84

Type information: USSR. Oirotia: Altai Mtns., August 1937, *Singer & Vasilieva* (LE). Also published in Singer, 1943a: 26.

vulgaris Singer, 1961b: 48

HOLOTYPE: USA. Massachusetts, Cambridge,
Singer s.n. (FH)

CLITOCYBULA

azurea Singer, 1973d: 18

HOLOTYPE: Brazil. São Paulo: Serra de Cantareira, 17 December 1964, *Singer B 4115* (BAFC)

mellea Singer, 1954b: 111

HOLOTYPE: Argentina. Neuquén: Nahuel Huapi National Park, Quetrichué, 18 May 1952, *Singer M 751* (LIL)

CLITOPILUS

hobsonii var. *chilensis* Singer, 1969a: 333

HOLOTYPE: Chile. Santiago: Cerro Robles, 19 June 1967, *Singer M 6978* (SGO)

incrustatus Singer, 1948c: 38

HOLOTYPE: USA. Florida: Alachua County, Gainesville, 19 May 1943, *Singer F 1981* (FH)

incrustatus var. *macrosporus* Singer, 1969a: 334

HOLOTYPE: Chile. Valdivia: Hueycolla, 4 May 1967, *Singer M 6720* (SGO)

rhodotrampa Singer in Singer & Digilio, 1951e: 421

HOLOTYPE: Argentina. Jujuy: Termas de Reyes, 5 January 1947, *Garolera & Digilio 7681* (LIL, FH). [Published in 1952].

venososulcatus Singer, 1946a: 557

HOLOTYPE: USA. Florida: Dade County, Matheson Hammock, 29 October 1942, *Singer F 1344* (FH)

COLLYBIA

acicola Singer in Singer & Digilio, 1951e: 60

HOLOTYPE: Argentina. Tucumán: Sierra de San Javier, Cerro Alto del Taficillo, 6 January 1950, *Singer T 830* (LIL). [Published in 1952].

albelloavellanea Singer, 1955a: 767

HOLOTYPE: Brazil. Paraná, Paranagua, 27 September 1952, *Singer B 409* (F)

alkalivirens Singer, 1948c: 27

HOLOTYPE: USA. Virginia: Giles County, Mt. Lake Biological Station, 23 June 1947, *Singer & Wilson 337* (FH)

amazonensis Singer, 1989a: 21

HOLOTYPE: Brazil. Amazonas, Road Manaus-Caracará, km 45, 10 August 1978, *Singer B 11376* (INPA)

batistae Singer, 1965e: 23

HOLOTYPE: Brazil. Pernambuco: CaMaragibe, 6 July 1960, *Singer B 3102* (BAFC)

embrapaensis Singer, 1989a: 22

HOLOTYPE: Brazil. Amazonas: Reserva Ducke, 6 October 1978, *Singer B11403* (INPA)

flavomycelina Singer in Singer & Digilio, 1951e: 51

HOLOTYPE: Argentina. Tucumán: Río de los Sosa, 27 January 1951, *Singer T 1128* (LIL). [Published in 1952].

fuegiana Singer, 1952c: 186

HOLOTYPE: Argentina. Tierra del Fuego: Río Grande, Estancia Nueva Argentina, 10 February 1950, *Singer M 157* (LIL)

heimii Singer, 1937: 234

Type information: USSR. near Chosta, September 1936, *Vasilieva* (LE?)

inconspicua Singer, 1989a: 22

HOLOTYPE: Brazil. Amazonas, 30 km N of Manaus, 31 October 1977, *Singer B 10233* (INPA)

ixotrampa Singer, 1973d: 20

HOLOTYPE: Bolivia. Pando: Manuripi, 25 March 1956, *Singer B 2202* (BAFC)

lindquistii Singer in Singer & Digilio, 1951e: 57

HOLOTYPE: Argentina. Buenos Aires: Punta Lara, 9 June 1945, *Singer S 116* (LIL). [Published in 1952].

lodgeae Singer, 1989a: 23

HOLOTYPE: Costa Rica. Heredia, Sta. OTS near "La Selva", 23 December 1979, *Lodge 294* (F)

neotropica Singer, 1961b: 54

HOLOTYPE: Bolivia. La Paz: Nor-Yungas, 15 February 1956, *Singer B 1173* (LIL). Singer stated that this was a "nom. nov.", but it probably was a new species.

nobilior Singer, 1989a: 23

HOLOTYPE: Brazil. Amazonas: Reserva Ducke, 31 May 1979, *Singer B 11077* (INPA)

paranaguae Singer, 1955a: 768

HOLOTYPE: Brazil. Paraná, Paranagua, 27 September 1952, *Singer B 406* (F)

peladae Singer, 1969a: 70

HOLOTYPE: Chile. Valdivia: Cordillera Pelada, Chivería, 7 May 1967, *Singer M 6777* (SGO)

phoebophila Singer in Singer & Digilio, 1951e: 53

HOLOTYPE: Argentina. Tucumán: Sierra de San Javier, Anta Muerta, 16 April 1950, *Singer T 964* (LIL). [Published in 1952].

phylladophila Singer in Singer & Digilio, 1951e: 55

HOLOTYPE: Argentina. Tucumán: San Javier, 24 April 1951, *Singer T 1526* (LIL). [Published in 1952].

phylladophiloides Singer, 1989a: 24

HOLOTYPE: Brazil. Amazonas: Lago Janauarí, 18 March 1983, *Singer B 12444* (F)

rionegrensis Singer, 1989a: 24

HOLOTYPE: Brazil. Amazonas, Ponta Negra near Manaus, 15 January 1978, *Singer B 10528* (INPA)

sleumeri Singer, 1953b: 4

HOLOTYPE: Argentina. Catamarca: Cerro Negro, between Minas Capillitas and Cerro Negro, 3 March 1952, *Sleumer & Sparre [Singer no.] T 1912* (LIL)

solitaria Singer, 1989a: 25

HOLOTYPE: Brazil. Amazonas, 30 km N of Manaus, 29 June 1977, *Singer B 10028* (INPA?)

subhybrida Singer, 1965i: 151

HOLOTYPE: Argentina. Neuquén: Quetrichué, 14 May 1952, *Singer M 573* (LIL, BAFC)

syringea Singer, 1955a: 768

HOLOTYPE: Brazil. Paraná, Paranagua, 27 September 1952, *Singer B 404* (F)

tetrachroa Singer in Singer & Digilio, 1951e: 52

HOLOTYPE: Argentina. Tucumán: Tafi del Valle, Parque Aconquija, 5 March 1949, *Singer T 199* (LIL). [Published in 1952].

tucumanensis Singer in Singer & Digilio, 1951e: 47

HOLOTYPE: Argentina. Tucumán: Sierra de San Javier, Anta Muerta, 16 April 1950, *Singer T 963* (LIL). [Published in 1952].

urubambae Singer, 1961b: 55

HOLOTYPE: Peru. Machu Picchu: Rio Urubamba, 20 May 1958, *Singer B 3024* (LIL).

velutipes f. *aestivalis* Singer, 1922a: 40

No type information.

CONOCYBE

affinis Singer, 1969a: 207

HOLOTYPE: Argentina. Tucumán, 10 November 1950, *Singer T 1020* (LIL)

alba Singer in Singer & Digilio, 1951e: 295

HOLOTYPE: Argentina. Tucumán: Tapia, 15 April 1951, *Singer T 1484* (LIL). [Published in 1952].

albocinerea Singer, 1941e: 99

HOLOTYPE: USSR. Oirotia: Kurai, 14/15 August 1937, *Singer & Vasilieva A 116* (LE). Also published in 1950a: 130.

amazonica Singer, 1989a: 103

HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 11 May 1977, *Singer B 9862* (INPA)

diemii Singer, 1969a: 212

HOLOTYPE: Argentina. Neuquén: Puerto Manzano, 19 March 1963, *Singer M 3075* (BAFC)

excedens var. *pseudomesospora* Singer & Hausknecht, 1992b: 95

HOLOTYPE: Austria. Vienna: Lobau, near Opfildum Mhülleiten, 20 June 1986, *Hausknecht S 1424* (WU 5384). Isotype: F

fuscimarginata var. *bisporea* Singer, 1977c: 126

HOLOTYPE: Czechoslovakia. Prague, Podbaba, 13 August 1974, *Pouzar & Singer [Singer no.] C 5557* (F)

halophila Singer, 1959b: 397

HOLOTYPE: Afghanistan. West of Butschak: along road from Kabul to Nimla, 22 April 1951, *Gilli CXXXIII/10* (LIL)

hornana Singer & Hausknecht, 1989c: 87

HOLOTYPE: Austria. Lower Austria: Doberndorf near Horn, 8 June 1987, *Hausknecht S 1610* (WU 6201)

izonetae Singer, 1989a: 103

HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 23 March 1978, *Singer B 10855* (INPA)

javanica Singer, 1989a: 103

HOLOTYPE: Indonesia. Java, von Höhnel 3860 (FH)

kuhneriana Singer, 1969a: 212

HOLOTYPE: Argentina. Tucumán: near Arroyo Mista, 27 October 1949, *Singer T 722* (LIL)

lentispora Singer, 1950a: 134

HOLOTYPE: Argentina. Tucumán: San Pablo, 27 March 1949, *Singer T 316* (LIL)

leporina var. *tetraspora* Singer & Hausknecht, 1988d: 112

HOLOTYPE: Austria. Vienna: Lobau, near Kreuzgrundtraverse, 29 September 1984, *Hausknecht & Mrazek S 1441* (WU). Isotype: F

lobauensis Singer & Hausknecht, 1988d: 107

HOLOTYPE: Austria. Vienna: Lobau, near Kreuzgrundtraverse, 15 October 1982, *Hausknecht S 910* (WU). Isotype: F

magnispora var. *levis* Singer in in Singer & Digilio, 1951e: 306

HOLOTYPE: Argentina. Tucumán: Sierra de San Javier, Anta Muerta, 20 October 1949, *Singer T 715* (LIL). [Published in 1952].

magnispora var. *striatella* Singer in Singer & Digilio, 1951e: 305

HOLOTYPE: Argentina. Tucumán, *Singer S 43* (LIL). [Published in 1952].

mazatecorum Singer, 1957a: 362

Type information: Mexico. Oaxaca: Huautla de Jimnez, 10-11 July 1957 (MICH). Two specimens were cited: M 1503 and M 1523, but no type was designated.

megalospora ssp. *nivalis* Singer, 1953b: 18

HOLOTYPE: Argentina. Catamarca, between Minas Capillitas and Cerro Negro, 3 March 1952, *Sleumer & Sparre [Singer no.] T 1933* (LIL)

mesospora var. *subalpina* Singer, 1989a: 104

HOLOTYPE: Switzerland. Vaud: above Pont de Nant, 6 July 1984, *Singer C 9682* (F)

microsperma Singer, 1992b: 103

HOLOTYPE: Brazil. Bahia: Itabuna, 6 June 1978, *Singer B 11058* (INPA)

minima Singer & Hausknecht, 1992b: 93
HOLOTYPE: Austria. Pulkau: Feldberg near Grobreipersdorf, 7 September 1988, *Hausknecht S 1794* (WU 7186). Isotype: F

missionum Singer in Singer & Digilio, 1951e: 308
HOLOTYPE: Argentina. Misiones: Cataratas del Iguazú, 26 November 1949, *Singer & Digilio M 104* (LIL). [Published in 1952].

mixta Singer in Singer & Digilio, 1951e: 296
HOLOTYPE: Argentina. Tucumán: Tafí del Valle, 10 January 1950, *Singer T 843* (LIL). [Published in 1952].

myosura Singer, 1989a: 104
HOLOTYPE: Bolivia. El Beni: Vaca Diez, Riberalta, 31 March 1956, *Singer B 2403* (LIL)

neoantipus var. *carinthiaca* Singer & Hausknecht, 1988d: 117
HOLOTYPE: Austria. Kärnten: St. Veit a. d. Glan, near Tanzenberg, 26 September 1986, *Forstinger and others* (WU). Isotype: F

neoantipus var. *tucumana* Singer & Hausknecht, 1988d: 115
HOLOTYPE: Argentina. Tucumán, 20 October 1949, *Singer T 714* (LIL)

proxima Singer in Singer & Digilio, 1951e: 293
HOLOTYPE: Argentina. Tucumán: Cerro Alto del Taficillo, 4 March 1951, *Singer T 1339* (LIL). [Published in 1952].

radicata Singer, 1953b: 18
HOLOTYPE: Argentina. Tucumán: Anta Muerta, 11 January 1952, *Singer T 1718* (LIL)

reticulatorugosa Singer in Singer & Digilio, 1951e: 299
HOLOTYPE: Argentina. Tucumán: Tafí del Valle, 13 January 1950, *Singer T 869* (LIL). [Published in 1952].

roberti Singer & Hausknecht, 1992b: 97
HOLOTYPE: Austria. Maissau, 18 September 1984, *Hausknecht S 1228* (WU 9220)

stictospora Singer, 1989a: 104
HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 25 May 1977, *Singer B 9715* (INPA)

striatipes var. *sejuncta* Singer & Hausknecht, 1988d: 119
HOLOTYPE: Argentina. Catamarca: Suncho, near Santa Rosa, 20 January 1952, *Singer T 1792* (LIL)

subvelata Singer, 1950a: 139
HOLOTYPE: Argentina. Tucumán: Tafí del Valle, Parque Aconquija, Sierra de San Javier, 12 March 1949, *Singer T 202* (LIL)

subxerophytica Singer & Hausknecht, 1992b: 80
HOLOTYPE: Austria. Vienna: Lobau, Leinerau near Mittelwasser, 27 May 1984, *Hausknecht S 1132* (WU 5223). Isotype: F

tenera f. *excentrica* Singer, 1950a: 140
HOLOTYPE: Argentina. Buenos Aires: Garibaldi, 30 May 1949, *Singer S 44* (LIL)

tenerrima Singer in Singer & Digilio, 1951e: 292
HOLOTYPE: Argentina. Tucumán: Garden of the Instituto Lillo, 24 February 1951, *Singer T 1320* (LIL). [Published in 1952].

tenerrima var. *monticola* Singer, 1969a: 206
HOLOTYPE: Argentina. Tucumán: Tafí del Valle, 10 January 1950, *Singer T 842* (LIL)

tetraspora Singer, 1969a: 209
HOLOTYPE: Argentina. Buenos Aires: San Clemente de Tuy, 21 October 1965, *Singer S 552* (BAFC)

tuxtleensis Singer, 1989a: 105
HOLOTYPE: Mexico. Veracruz, Estación Biológica de las Tuxtlas, 23 June 1969, *Singer M 8185* (F)

xerophytica Singer in Singer & Digilio, 1951e: 294
HOLOTYPE: Argentina. Tucumán: Tapia, 15 April 1951, *Singer T 1494* (LIL). [Published in 1952].

xylophila Singer, 1969a: 208
HOLOTYPE: Chile. Coquimbo: Fray Jorge, 16 April 1967, *Singer M 6531* (SGO)

COPELANDIA

chlorocystis Singer & Weeks, 1979a: 469
HOLOTYPE: USA. Florida: Dade County, Redlands Fruit and Spice Park, Homestead, July 1976, *Hearn* (F)

COPRINITES Poinar Jr. & Singer, 1990f: 1099 (Fossil genus)

Type species: *Coprinites dominicana* Poinar, Jr. & Singer

dominicana Poinar, Jr. & Singer, 1990f: 1099
HOLOTYPE: Dominican Republic. Santiago: Cordillera septentrional, between Santiago and Puerto Plata, The La Toca mine, AF-9-11 (Fossil species)

COPRINUS

carbonicola Singer, 1969a: 176
HOLOTYPE: Argentina. Río Negro: Nahuel Huapí National Park, Brazo Tristeza, 7 May 1964, *Singer M 3975* (BAFC)

herbivorus Singer, 1973d: 70
HOLOTYPE: Argentina. Jujuy: Lagunas de Yala, 9 February 1965, *Singer T 3929* (F)

hylaeae Singer, 1978h: 49
HOLOTYPE: Ecuador. Napo: Lago Agrio, 17 May 1973, *Singer B 7524* (F)

hypsizyus Singer, 1969a: 177

HOLOTYPE: Chile. Valdivia: Cordillera Pelada,
7 May 1965, *Singer M 5576-5776a* (BAFC)

phylladophilus Singer, 1969a: 180

HOLOTYPE: Argentina. Buenos Aires: Sierra
de Tandil, Finca Pascuala, 16 November 1962,
Singer S 365 (BAFC)

saccosporus Singer, 1969a: 179

HOLOTYPE: Chile. Osorno: Lago Puyehue, 14
September 1967, *Singer M 7507* (SGO)

sclerobasidium Singer, 1969a: 179

HOLOTYPE: Argentina. Neuquén: Lago Lácar,
Pucará, 6 November 1966, *Singer M 6014*
(BAFC)

subrenispermus Singer, 1969a: 182

HOLOTYPE: Chile. Santiago: Lagunas de Acu-
leo, 24 September 1967, *Singer M 7789*
(SGO)

uspallatae Singer, 1969a: 178

HOLOTYPE: Argentina. Mendoza: Upsallata,
14 January 1966, *Singer* (BAFC). No collec-
tion number given.

CORIOLUS

fernandezianus Singer, 1959c: 374, 376

HOLOTYPE: Chile. Juan Fernández Island:
Mása Tierra, Quebrada Pangal, 16 February
1955, *Sparre F 7* (S). Isotype: LIL?

CORTINARIUS

aberrans Signer, 1949b: 96

Type information: Finland. Karelia: Kivacz, Au-
gust 1936 (LE?)

amazonicus Singer & Araujo, 1983f: 193

HOLOTYPE: Brazil. Amazonas: Road Manaus-
Caracará, km 45, 5 May 1980, *Singer & Ar-
aujo [Singer no.] B 12139* (INPA)

arcticus Singer, 1938e: 15

Type information: USSR. (LE?)

boyacensis Singer, 1963b: 242

Type information: Colombia. Boyacá: Tunja, Ar-
cabuco, Finca del Señor Luis Antonio Porras,
no date, (BAFC). no collector named.

campinaranae Singer & Araujo, 1983f: 196

HOLOTYPE: Brazil. Amazonas: Road Manaus-
Caracará, km 125, 22 May 1978, *Singer &
Araujo [Singer no.] B 11021* (INPA)

flavornatus Singer, 1931: 539

Type information: USSR. Caucasus: Khä.

galeriniiformis Singer & Araujo, 1983f: 194

HOLOTYPE: Brazil. Amazonas: Road Manaus-
Caracará, km 125, 22 May 1978, *Singer &
Araujo [Singer no.] B 11026* (INPA)

gigasporus Singer, 1938e: 15

Type information: USSR. Leningrad, December
1935, *Singer* (LE?)

kerrii Singer & Araujo, 1983f: 191

HOLOTYPE: Brazil. Amazonas: Road Manaus-
Caracará, km 130, 24 March 1978, *Kerr &
Singer [Singer no.] B 10861* (INPA)

kivaccensis Singer, 1949b: 95

Type information: Finland. Karelia: Kivacz, 4
September 1935 (LE?)

megasporus Singer, 1949b: 95

Type information: Finland. Karelia: Kivacz, 16
September 1935 (LE?)

sphagneti Singer, 1949b: 95

Type information: Finland. Karelia: Kivacz, 30
September 1935 (LE?)

umbilicatus Singer & Araujo, 1983f: 195

HOLOTYPE: Brazil. Amazonas: Road Manaus-
Caracará, km 125, 20 July 1978, *Singer &
Araujo [Singer no.] B 11313* (INPA)

velutinellus Singer, 1949b: 96

Type information: Finland. Karelia: Kivacz, 31
August 1935 (LE?)

CRATERELLUS

boyacensis Singer, 1963b: 239

HOLOTYPE: Colombia. Boyacá: Tunja, Arca-
bucu, Finca del Señor Luis Antonio Porras, 29
July 1960, *Singer B 3598* (BAFC)

CREPIDOTUS

acanthosyrinus Singer in Singer & Digilio,
1951e: 411

HOLOTYPE: Argentina. Tucumán: Tapia, 3 July
1949, *Singer T 591* (LIL). [Published in
1952].

albidus var. *bisporus* Singer, 1973a: 436, 478

HOLOTYPE: Brazil. Río de Janeiro: Angra dos
Reis, 31 September 1952, *Singer B 440* (FH)

albidus var. *boliviae* Singer, 1973a: 434, 478

HOLOTYPE: Argentina. Jujuy: Valle del Río
Lozano, 18 February 1966, *Singer T 5274* (F)

ampullicystis Singer, 1973a: 460, 478

HOLOTYPE: Mexico. Veracruz: 7 km S of
Montepío, Estación Biológica de las Tuxtlas,
19 June 1969, *Singer M 8032* (F)

applanatus var. *subglobiger* Singer, 1973a: 383,
478

HOLOTYPE: Mexico. Oaxaca: San Augustustín,
10 July 1969, *Singer M 8400* (F)

aristoteliae Signer, 1959c: 398, 399

HOLOTYPE: Chile. Juan Fernández Island:
Mása Tierra, Lower Quebrada Pangal, 24
March 1955, *Sparre F 68* (S). Isotype: LIL?

australis Singer, 1973a: 418, 478

HOLOTYPE: Argentina. Misiones: Iguazú, Re-
fugio Yaguareté, 16 April 1957, *Singer M
1030* (BAFC)

- austrorandinus* Singer, 1969a: 327
HOLOTYPE: Chile. Llanquihué: Puella, 20 March 1959, *Singer M 1868* (BAFC)
- bullulifer* Singer, 1965i: 182
HOLOTYPE: Chile. Valdivia: Cordillera Pelada, 28 March 1963, *Singer M 3203* (BAFC)
- calolepis* var. *heterocystis* Singer, 1973a: 469, 478
HOLOTYPE: Mexico. Veracruz: 7 km S of Montepío, Estación Biológica de las Tuxtlas, 19 June 1969, *Singer M 8029* (F)
- calolepis* ssp. *polycystis* Singer, 1973a: 475, 478
HOLOTYPE: Costa Rica. San José: Cerro de las Vueltas, 1 December 1925-1 January 1926, *Standley & Valerio s. n.* (BPI)
- calolepis* ssp. *tigrensis* var. *januarius* Singer, 1973a: 474, 478
HOLOTYPE: Argentina. Tucumán: Sierra de San Javier, Ciudad Universitaria, 16 January 1955, *Singer T 2020* (LIL)
- catamarcae* Singer, 1973a: 422, 478
HOLOTYPE: Argentina. Catamarca: Río Chacaras, 11 February 1952, *Singer T 1821* (BAFC)
- citricolor* Singer in Singer & Digilio, 1951e: 411
HOLOTYPE: Argentina. Tucumán: Quebrada de Lules, 18 December 1951, *Singer T 1656* (LIL). [Published in 1952].
- cristulatus* Singer, 1957a: 369
HOLOTYPE: Mexico. Oaxaca: Huautla de Jiménez, 10 July 1957, *Singer M 1516* (MICH). Type information is from an annotation slip attached to the original publication.
- decipiens* Singer, 1973a: 365, 478
HOLOTYPE: Mexico. Morelos: NW of Tepoztlán, 18 July 1969, *Singer M 8467* (F)
- defibulatus* Singer in Singer & Digilio, 1951e: 410
HOLOTYPE: Argentina. Buenos Aires: Santa Catalina, 7 June 1949, *Singer S 90* (LIL). [Published in 1952].
- epigloeus* Singer, 1973a: 462, 479
HOLOTYPE: Mexico. Veracruz: 7 km S of Montepío, Estación Biológica de las Tuxtlas, 19 June 1969, *Singer M 8026* (F)
- eucalypticola* Singer, 1978h: 73
HOLOTYPE: Ecuador. Pichincha: above Quito, 5 May 1973, *Singer B 7249* (F)
- guzmanii* Singer, 1973a: 415, 479
HOLOTYPE: Mexico. Veracruz: Coyame, 23 June 1969, *Singer M 8174* (F)
- harperi* Singer, 1959n: 586
HOLOTYPE: USA. Virginia: Bedford, May 1919, *Harper 1177* (F)
- harperi* var. *minor* Singer, 1973a: 363, 479
HOLOTYPE: Mexico. Dto. Federal: Cerro Oco-piazco, 27 June 1969, *Singer M 8216* (F)
- icterinus* Singer, 1973a: 395, 479
HOLOTYPE: Argentina. Tucumán: San Pedro de Colalao, 23 January 1955, *Singer T 2058* (LIL)
- igapoensis* Singer, 1989a: 121
HOLOTYPE: Brazil. Amazonas: Igarapé do Tarumãzinho, 12 March 1980, *Singer B 12019* (INPA)
- krieglsteineri* Singer, 1988b: 69
HOLOTYPE: USA. Florida: Coral Gables, 28 September 1970, *Gill* (F)
- latifolius* var. *appendiculatus* Singer, 1973a: 360, 479
HOLOTYPE: Argentina. Tucumán: Horco Molle, 30 April 1960, *Singer T 3623* (BAFC)
- latifolius* var. *veraecrucis* Singer, 1973a: 360, 479
HOLOTYPE: Mexico. Veracruz: 3 km S of Montepío, 30 July 1969, *Singer M 8761* (F)
- levisporus* Singer, 1973a: 442, 479
HOLOTYPE: Mexico. Veracruz: Tlilapa, 24 June 1969, *Singer M 8195* (F)
- luridus* var. *luridus* Singer, 1973a: 419, 479
HOLOTYPE: Mexico. Morelos: NW of Tepoztlán, 27 June 1969, *Singer M 8247* (F)
- luridus* var. *minutus* Singer, 1973a: 421, 479
HOLOTYPE: Mexico. Veracruz: 7 km S of Montepío, Estación Biológica de las Tuxtlas, 19 June 1969, *Singer M 8032a* (F)
- luridus* var. *oaxacae* Singer, 1973a: 420, 479
HOLOTYPE: Mexico. Oaxaca: Rancho del Cura below Huautla, 7 July 1969, *Singer M 8317* (F)
- martini* Singer, 1955a: 775
HOLOTYPE: Panama. Zona Canalis: Barro Colorado Island, 7 July 1952, *Martin & Welden 7494* (F)
- mexicanus* Singer, 1973a: 413, 479
HOLOTYPE: Mexico. Veracruz: 7 km S of Montepío, Estación Biológica de las Tuxtlas, 20 June 1969, *Singer M 8059* (F)
- molliformis* Singer, 1973a: 441, 480
HOLOTYPE: Mexico. Morelos: NW of Tepoztlán, 1 July 1969, *Singer M 8262* (F)
- nephrodes* var. *meristocystis* Singer, 1954b: 146, 147
HOLOTYPE: Argentina. Neuquén: Nahuel Huapí National Park, Quetrihué, 20 May 1952, *Singer M 792* (LIL)
- nephrodes* var. *minimus* Singer, 1954b: 147
HOLOTYPE: Argentina. Neuquén: Nahuel Huapí National Park, Isla Victoria, 17 May 1952, *Singer M 731* (LIL)
- palmarum* Singer in Singer & Digilio, 1951e: 406
HOLOTYPE: Argentina. Misiones: Cataratas del Iguazú, 27 November 1949, *Singer & Digilio [Singer no.] M 135* (LIL). [Published in 1952].

parlatorei Singer in Singer & Digilio, 1951e: 412

HOLOTYPE: Argentina. Tucumán: Sierra de San Javier, 6 January 1950, *Singer T 825* (LIL). [Published in 1952].

pilosiceps Singer, 1989a: 121

HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 18 January 1978, *Singer B 10556* (INPA)

podocarpi Singer in Singer & Digilio, 1951e: 413

HOLOTYPE: Argentina. Tucumán: Sierra de San Javier, 6 January 1950, *Singer T 623* (LIL). [Published in 1952].

polylepidis Singer, 1961b: 79

HOLOTYPE: Venezuela. Mérida: Sierra de Santo Domingo, 24 July 1958, *Dennis 1726* (K)

quitensis var. *basicrinitus* Singer, 1973a: 363, 480

HOLOTYPE: Argentina. Tucumán: Tafí del Valle, Valle de San Javier, 15 August 1946, *Digilio & Grassi 791* (LIL)

roseolus Singer, 1973a: 350, 480

HOLOTYPE: Argentina.: Tucumán, Tucumán, Jardín del Instituto M. Lillo, 20 February 1955, *Singer T 2186* (LIL)

roseus Singer, 1947g: 87

Type information: USA. Florida: Dade Co., Miami, Matheson Hammock, 30 October 1942, *Singer* (FH). [Published in 1948].

rubriceps Singer, 1973a: 397, 480

HOLOTYPE: Brazil. São Paulo: Sierra de Cantareira, Reserva Forestal, 17 December 1964, *Singer B 4098* (F)

schusteri Singer, 1989b: 796

HOLOTYPE: Henderson Islands (South Pacific), 13 May 1987, *Schuster 00008* (F)

serotinus Singer, 1961b: 79

HOLOTYPE: Argentina. Tucumán: Arroyo Mista, 15 June 1955, *Singer T 2782* (LIL)

sphaerosporus var. *austrocedri* Singer, 1969a: 325

HOLOTYPE: Argentina. Neuquén: Quetrihué, 16 May 1952, *Singer M 672* (LIL)

stercorarius Singer in Singer & Digilio, 1951e: 409

HOLOTYPE: Argentina. Tierra del Fuego: Río Grande, Estancia Nueva Argentina, 21 February 1950, *Singer M 400* (LIL). [Published in 1952].

sublevisporus Singer in Singer & Digilio, 1951e: 410

HOLOTYPE: Argentina. Tucumán, 18 December 1948, *Singer & Digilio [Singer no.] T 25* (LIL). [Published in 1952].

tigrensis var. *valdiviensis* Singer, 1965i: 183

HOLOTYPE: Chile. Valdivia: Río Hueycolla, 30 March 1963, *Singer M 3243* (BAFC)

truncatus var. *microcarpus* Singer, 1973a: 378, 480

HOLOTYPE: Argentina. Tucumán: Río Las Pavas, 3 km W of Santa Rosa, 17 December 1950, *Singer T 1056* (LIL)

tuxtlae Singer, 1973a: 439, 480

HOLOTYPE: Mexico. Veracruz: 3 km S of Montepío, 22 June 1969, *Singer M 8138* (F)

variisporus Singer in Singer & Digilio, 1951e: 413

HOLOTYPE: Argentina. Tucumán: Sierra de San Javier, Anta Muerta, 31 October 1949, *Singer T 741* (LIL). [Published in 1952].

velutinoaffinis Singer, 1961b: 78

HOLOTYPE: Venezuela. Mérida: Sierra de Santo Domingo, 31 July 1958, *Dennis 1801* (K)

xanthocephalus Singer, 1973a: 396, 480

HOLOTYPE: Argentina. Tucumán: Tafí del Valle, Quebradita del Mastil, 17 February 1965, *Singer T 4083* (F)

xanthophaeus Singer, 1973a: 455, 480

HOLOTYPE: Venezuela. Dto. Federal: Caracas Botanic Garden, 1 July 1958, *Dennis 1128* (K)

yungicola Singer, 1973a: 443, 480

HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Capillaria, 22 February 1956, *Singer B 1335* (BAFC). B 1422 cited as type in Latin diagnosis.

CRINIPELLIS

albipes Singer, 1976a: 36

HOLOTYPE: Mexico. Veracruz: 7 km S of Montepío, Estación Biológica de las Tuxtlas, 20 June 1969, *Singer M 8083* (F)

alcalivirens Singer, 1976a: 37

HOLOTYPE: Colombia. Cundinamarca: Salto de Tequendama, 24 July 1960, *Singer B 3510* (F)

austrorubida Singer, 1976a: 43

HOLOTYPE: Argentina. Tucumán: Río de los Sosas, 18 January 1950, *Singer T 917* (LIL)

carecomoeis var. *litseae* Singer, 1942a: 489

HOLOTYPE: Philippines. Laguna: Mt. Makiling, 5 September 1917, *Catalan 4464* (FH). [Published in 1943].

carecomoeis var. *subelata* Singer, 1942a: 488

HOLOTYPE: New Caledonia. Col d'Amien, 1907, *Le Rat 97* (FH). [Published in 1943].

catamarcensis Singer, 1953b: 12

HOLOTYPE: Argentina. Catamarca: Valle de Suncho, above Alto de la Junta, 17 January 1952, *Singer T 1745* (LIL)

commixta Singer in Sing. & Digilio, 1953b: 11

HOLOTYPE: Argentina. Tucumán: Tapia, 6 January 1952, *Singer T 1710* (LIL)

commixta var. *junia* Singer, 1976a: 33
HOLOTYPE: Argentina. Tucumán: Arroyo Mis-
ta, 15 June 1955, *Singer T 2791* (LIL)
coroicae Singer, 1976a: 27
HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Co-
roico, 26 January 1956, *Singer B 558* (F)
dicotyledonum Singer in Singer & Digilio, 1951e:
221
HOLOTYPE: Argentina. Tucumán: Río de los
Sosas, 27 January 1951, *Singer T 1140* (LIL).
[Published in 1952].
dipterocarpi Singer, 1942a: 496
Type information: Vietnam. Tonkin, Eberhardt
(FH). [Published in 1943].
eggersii var. *epiphyllus* Singer, 1967a: 48
HOLOTYPE: Bolivia. La Paz: Nor Yungas,
Charobamba, 30 January 1956, *Singer B 747*
(LIL)
eggersii var. *flavipes* Singer, 1976a: 47
HOLOTYPE: Bolivia. Pando: Madre de Dios, 28
March 1956, *Singer B 2310* (LIL)
eggersii var. *lilaceiceps* Singer, 1976a: 49
HOLOTYPE: Ecuador. Napo: Lago Agrio, 9
May 1973, *Singer B 7316* (F)
foliicola Singer, 1955a: 771
HOLOTYPE: USA. Florida: Highlands County,
Highlands Hammock State Park, 2 September
1942, *Singer F 444a* (F)
galeropsidoides Singer, 1989a: 66
HOLOTYPE: Brazil. Amazonas: Road Manaus-
Caracará, km 45, 20 December 1977, *Aguiar*
[*Singer no.*] *B 10380* (INPA)
gracilis Singer, 1976a: 14
HOLOTYPE: Brazil. Pernambuco: São Louren-
co, Mata do São João , 16 July 1960, *Singer*
B 3412 (F)
herreræ Singer, 1976a: 23
HOLOTYPE: Mexico. Veracruz: 7 km S of
Montepío, Estación Biológica de las Tuxtlas,
21 June 1969, *Herrera* [*Singer no.*] *M 8125*
(F)
insignis Singer, 1976a: 45
HOLOTYPE: Bolivia. El Beni: Vaca Diez, Ri-
beralta, 29 March 1956, *Singer B 2320* (F)
iopus Singer, 1939a: 64
Type information: USSR. Kazakhstan: in the bo-
tanical garden of Alma Ata, May 1937, *Nev-*
odovski (LE?)
macrosphaerigera Singer, 1953d: 138
HOLOTYPE: Brazil?. 24 January 1946, *Sehnem*
1917 (C8339) (LIL)
megalospora Singer in Singer & Digilio, 1951e:
222
HOLOTYPE: Argentina. Tucumán: Sierra de
San Javier, Anta Muerte, January, *Singer T*
1666 (LIL). [Published in 1952].

mexicana Singer, 1976a: 29
HOLOTYPE: Mexico. Veracruz: Jalapa, 12-20
December 1909, W. & E. *Murrill 142* (NY)
mirabilis Singer, 1942a: 497
HOLOTYPE: New Caledonia. Between Col
d'Amien and Mgropo, 1907, *Le Rat 101* (FH).
[Published in 1943].
missionensis Singer in Singer & Digilio, 1951e:
226
HOLOTYPE: Argentina. Misiones: Cataratas del
Iguazú, 27 November 1949, *Singer & Digilio*
[*Singer no.*] *M 123* (LIL). [Published in
1952].
patouillardii Singer, 1942a: 483
HOLOTYPE: Japan. Bonin Island, *Wright 525*
(FH). [Published in 1943].
phyllophila Singer, 1957a: 358
HOLOTYPE: Mexico. Oaxaca: Huautla de Ji-
ménez, 10-12 July 1957, *Singer M 1507*
(MICH)
piceae Singer, 1939a: 64
Type information: USSR. Altai Mtns.: near Ku-
rai, August, *Singer & Vasilieva* (LE?)
podocarpi Singer in Singer & Digilio, 1951e:
225
HOLOTYPE: Argentina. Tucumán: Cerro Alto
del Taficillo, 6 January 1950, *Singer T 833*
(LIL). [Published in 1952].
pseudostipitaria ssp. *occidentalis* Singer, 1942a:
470
HOLOTYPE: Guadeloupe. Plateau des Rivières,
Duss 492 (FH). [Published in 1943].
pseudostipitaria ssp. *occidentalis* var. *mesites*
Singer, 1942a: 471
HOLOTYPE: Martinique. Parc du College de St.
Pierre, August 1900, *Duss 1877* (FH). [Pub-
lished in 1943].
pseudostipitaria ssp. *orientalis* Singer, 1942a:
472
HOLOTYPE: Vietnam. Tonkin: La Pho, 23 July
1909, *Demange 275* (FH). [Published in
1943].
purpurea Singer, 1976a: 44
HOLOTYPE: Colombia. Valle: Cali, Saladito,
15 April 1968, *Singer B 6151a* (F)
rustica Singer, 1978h: 25
HOLOTYPE: Ecuador. Tungurahua: Río Topo,
30 April 1973, *Singer B 7197* (F)
sapindacearum Singer, 1976a: 39
HOLOTYPE: Brazil. Paraíba: João Pessa, 11
July 1960, *Singer B 3377* (F)
schini Singer, 1976a: 20
HOLOTYPE: Argentina. Catamarca: Hill above
Estancia Santa Rosa, near Río Campo, 20 Jan-
uary 1952, *Singer T 1793* (LIL)
septotricha Singer, 1942a: 468
HOLOTYPE: Guadeloupe. Basse Terre, 14 July
1901, *Duss 513* (FH). [Published in 1943].

sinensis Singer, 1989a: 67

HOLOTYPE: China. Yunnan, between "Yung-bei" and "Tschuhsiung (Tsuyung)", 13 May 1915, *Handel-Mazzetti* 6298 (WU)

siparunae Singer, 1942a: 505

Type information: USSR. Leningrad, Botanical Garden, 10 June 1939, *Singer* (LE). [Published in 1943]. This species was also published in 1943a: 115.

tenuipilosa Singer in Singer & Digilio, 1951e: 228

HOLOTYPE: Argentina. Tucumán: Quebrada de Lules, 24 January 1951, *Singer T 1119* (LIL). [Published in 1952].

tucumanensis Singer, 1976a: 40

HOLOTYPE: Argentina. Tucumán: Yerba Buena, 12 February 1955, *Singer T 2158* (LIL)

CYPTOTRAMA Singer, 1960a: 375

Type species: *Cyptotrama macrobasidium* Singer

dennisii Singer, 1973d: 34

HOLOTYPE: Mexico. Veracruz, 30 July 1969, *Singer M 8763* (F)

depauperatum Singer, 1978h: 43

HOLOTYPE: Colombia. Antioquia: Medellín, Boqueron, 20 July 1974, *Dumont CO 1750* (F)

hygrocyboides Singer, 1969a: 90

HOLOTYPE: Chile. Coquimbo: Fray Jorge, 16 April 1967, *Singer M 6518* (SGO)

macrobasidium Singer, 1960a: 376

HOLOTYPE: Bolivia. La Paz: Nor-Yungas, near Coroico, 27 January 1956, *Singer B 577* (LIL)

niveum Singer, 1989a: 91

HOLOTYPE: Brazil. Amazonas: Igarapé de Tarumãzinho, 19 March 1980, *Singer B 12039* (INPA)

pauperum Singer, 1989a: 91

HOLOTYPE: Brazil. Amazonas: Road Manaus-Itacoatiara, km 65, 6 October 1977, *Maas [Singer no.] B 10180* (F)

platense Singer, 1969a: 92

HOLOTYPE: Argentina. Buenos Aires: Punta Lara, 1 May 1966, *Singer S 739* (BAFC)

CYSTANGIUM Singer & Smith, 1960h: 67

Type species: *Secotium sessile* Massee & Rodway ex Rodway

depauperatum Singer & Smith, 1960h: 69

HOLOTYPE: Chile. Llanquihué: Puella, 20 March 1959, *Singer M 1921* (LIL)

pineti Singer, 1985: 417

HOLOTYPE: Mexico. Veracruz: 5 km N of Vigos, 30 October 1982, *Singer M 9514* (F)

CYSTOAGARICUS Singer, 1947b: 85

Type species: *Nolanea strobilomyces* Murr.

jujuyensis Singer, 1973d: 65

HOLOTYPE: Argentina. Jujuy: Lagunas de Yala, 10 February 1966, *Singer T 5012/21* (F)

sachaensis Singer, 1978h: 47

HOLOTYPE: Ecuador. Napo: Sacha Norte, Sacha 4, 10 May 1973, *Singer B 7357* (F)

CYSTODERMA

amianthinum f. *olivaceum* Singer, 1945f: 111

Type information: USSR. Siberia, *Singer* (LE)

amianthinum var. *sublongisporum* Singer, 1945f: 112

HOLOTYPE: USA. New York: Newcomb, Huntington Wild Life Forest, September 1941, *Singer 97* (FH)

australe Smith & Singer, 1945f: 97

HOLOTYPE: USA. Florida: Dade County, Matheson Hammock, 22 October 1942, *Singer F 1184* (FH)

austrofallax Singer, 1969a: 174

HOLOTYPE: Chile. Valdivia: near Hueycolla, 4 May 1967, *Singer M 6682* (SGO)

caucasicum Singer, 1945f: 105

Type information: USSR. Western Caucasus: near Guseripl (LE)

fallax Smith & Singer, 1945f: 116

Type information: USA. *Smith 17272* (MICH, FH)

granulosum var. *typicum* f. *robustum* Smith & Singer, 1945f: 87

HOLOTYPE: USA. Michigan: Milford, 15 September 1938, *Smith 10967* (MICH)

paradoxum Smith & Singer, 1948d: 454

HOLOTYPE: USA. Oregon: Mt. Hood National Forest, 19 October 1947, *Smith 27987* (MICH)

ponderosum Smith & Singer, 1945f: 92

HOLOTYPE: USA. Tennessee: Great Smoky Mountain National Park, Mt. Le Conte, 26 July 1942, *Hesler 14390* (TENN)

subpurpureum Smith & Singer, 1948d: 457

HOLOTYPE: USA. Oregon: Mt. Hood National Forest, Cedar Creek at Skyline Road, 25 September 1947, *Smith 26824* (MICH)

CYSTOLEPIOTA Singer in Singer & Digilio, 1951e: 281. [Published in 1952].

Type species: *Cystolepiota constricta* Singer

albogilva Singer, 1989a: 98

HOLOTYPE: Brazil. Amazonas: Ponta Negra, 1 January 1978, *Singer B 10445* (INPA)

amazonica Singer, 1989a: 99

HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 18 May 1977, *Singer B 9643* (INPA). Although the type information is identical to that of *Marasmiellus amazoniensis* Singer (1989a: 26), the two species were based on different collections judging from Singer's unpublished notebooks. See note under *M. amazoniensis*.

aurantiaca Singer, 1973d: 65

HOLOTYPE: Chile. Santiago: near Ranque, 6 July 1967, *Singer M 7122* (SGO)

australis Singer, 1969a: 167

HOLOTYPE: Argentina. Neuquén: Nahuel Huapi National Park, Camino del Brazo Blest, los Cántaros, 23 March 1963, *Singer M 3153* (BAFC)

brunneotingers Singer in Singer & Digilio, 1951e: 283

HOLOTYPE: Argentina. Tucumán: Quebrada de Lules, 23 April 1950, *Antonuccio [Singer no.] T 977* (LIL). [Published in 1952].

cinereofusca Singer, 1982d: 37

HOLOTYPE: Costa Rica. Guanacaste: Parque Nacional Santa Rosa, 25 July 1981, *Gómez & Singer B 12453* (F)

constricta Singer in Singer & Digilio, 1951e: 283

HOLOTYPE: Argentina. Tucumán: Sierra de San Javier, 1 March 1949, *Singer T 173* (LIL). [Published in 1952].

luteifolia Singer in Singer & Digilio, 1951e: 282

HOLOTYPE: Peru. Huánuco: Tingo Maria, 31 October 1948, *Carpenter 112* (LIL). [Published in 1952].

marthae Singer, 1969a: 168

HOLOTYPE: Argentina. Neuquén: Quetrihué, 7 April 1963, *M. Singer & Diem [Singer no.] M 3296* (BAFC)

potassiovirens Singer, 1989a: 99

HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 31 November 1977, *Singer B 10247* (INPA)

pumanquensis Singer, 1973d: 66

HOLOTYPE: Chile. Colchagua: near Pumanque, 25 July 1967, *Lazo PU-104* (SGO)

rosea Singer, 1969a: 168

HOLOTYPE: Argentina. Neuquén: Puerto Manzano, Río Bonito, 6 April 1963, *Singer M 3292* (BAFC)

rubra Singer in Singer & Digilio, 1951e: 282

HOLOTYPE: Argentina. Tucumán: Sierra de San Javier, 30 March 1951, *Singer T 1455* (LIL). [Published in 1952].

DECONICA

acutiuscula Singer, 1941b: 86

Type information: Finland. Karelia: near Kivacz in Caucaso Cr., *Singer* (LE?)

alnetorum Singer in Singer & Digilio, 1951e: 332

HOLOTYPE: Argentina. Jujuy: Lagunas de Yala, 8 April 1950, *Singer T 955* (LIL). [Published in 1952].

DENNISIOMYCES Singer, 1955d: 225

Type species: *Dennisiomyces glabrescentipes* Singer

fuscoalbus Singer, 1989a: 88

HOLOTYPE: Brazil. Amazonas: Manaus, 29 June 1977, *Singer B 9896* (INPA)

glabrescentipes Singer, 1955d: 225

HOLOTYPE: Brazil. Pernambuco: Recife, Dois Irmãos, *Jose de Silva & Batista 2223* (LIL)

rionegrensis Singer, 1989a: 88

HOLOTYPE: Brazil. Amazonas: Road Manaus-Caracarai, km 45, 11 June 1977, *Singer B 10071* (INPA)

DERMOLOMA

aposcenum Singer, 1989a: 88

HOLOTYPE: Mexico. Veracruz: 7 km S of Estación Biológica de Los Tuxtlas, 28 July 1969, *Singer M 8708* (F)

coryleti Singer & Cléménçon, 1971b: 120

HOLOTYPE: Czechoslovakia. Kremsier, 30 September 1970, *Singer C 5230* (F)

pataguae Singer, 1989a: 89

HOLOTYPE: Chile. Colchagua: Pumanque, 7 August 1967, *Lazo PU-130* (SGO)

yungense Singer, 1973d: 61

HOLOTYPE: Bolivia. La Paz: Nor-Yungas, 30 January 1956, *Singer B 700* (LIL, BAFC)

DESCOLEA Singer, 1950i: 256

Type species: *Descolea antarctica* Singer

antarctica Singer, 1950i: 257

HOLOTYPE: Argentina. Tierra del Fuego, 18 February 1950, *Singer M 144a* (LIL)

DIACANTHODES Singer, 1945c: 141

Type species: *Daedalea philippinensis* Pat.

DICTYOPANUS

pusillus var. *pseudorhipidium* Singer, 1953b: 14

HOLOTYPE: Argentina. Tucumán: Anta Muerta, 16 February 1952, *Singer 1868* (LIL)

ECCILIA

undata var. *ombrophila* Singer, 1947c: 219

Type information: collected in 1934.

ELASMOMYCES

camphoratus Singer & Smith, 1960h: 62

HOLOTYPE: USA. Washington: Lake Quinault,
5 November 1925, *Brown s.n.* (MICH)

odoratus Singer & Smith, 1960h: 57

HOLOTYPE: USA. Washington: Mt. Rainier
National Park, 23 July 1948, *Smith 29303*
(MICH)

roseipes Singer & Smith, 1960h: 64

HOLOTYPE: USA. California: near Trinidad, no
date, *White 171* (MICH)

zellerianus Singer & Smith, 1960h: 61

HOLOTYPE: USA. Washington: Lake Quinault,
26 October 1925, *Brown s.n.* (MICH)

ENDOLEPIOTULA Singer, 1963a: 260

Type species: *Endolepiotula ruizlealii* Singer

ruizlealii Singer, 1963a: 260

HOLOTYPE: Argentina. Mendoza: Santa Rosa,
Las Catitas, 10 March 1941, *Ruiz Leal 7. 616*
(Ruiz Leal's herbarium). Fragments of the
type at BAFC and MICH.

ENDOPTYCHUM

depressum Singer & Smith, 1958n: 216

HOLOTYPE: USA. Idaho, Seven Devils' Mtns.,
23 August 1954, *Smith 46579* (MICH)

ENTOLOMA

pyrenaica Singer, 1947c: 219

Type information: Spain. Catalonia: Ribera de
Sant Maurici, 1934.

EPICNAPHUS Singer, 1960f: 274, 279

Type species: *Epicnaphus phalaropus* Singer

phalaropus Singer, 1960f: 275, 279

HOLOTYPE: Bolivia. Pando: Manuripi, Con-
quista, 24 March 1956, *Singer B 2175* (LIL)

FAVOLASCHIA

alsophilae Singer, 1974b: 73, 102

HOLOTYPE: Colombia. Valle: Dagua road near
km 25, 28 April 1968, *Singer B 6443* (F)

andina Singer, 1974b: 68, 102

HOLOTYPE: Colombia. Cundinamarca: Páramo
Chisaca-Sumapas, 8 May 1968, *Singer B 7022*
(F)

aurantiaca Singer, 1974b: 33, 101

HOLOTYPE: Bolivia. Pando: Manuripi, Con-
quista, 25 March 1956, *Singer B 2199* (F)

calocera var. *claudopus* Singer, 1974b: 38, 101

HOLOTYPE: New Zealand. North Island: Wai-
temata County, Waitarua, Waitakere Ranges,
July 1973, *Beaver s. n.* (F)

dealbata Singer, 1955a: 763

HOLOTYPE: Panama. Chiriquí: Casita Alta
above Boquete, 31 July 1952, *Martin & Wel-
den 8070* (F)

dumontii Singer, 1974b: 61, 102

HOLOTYPE: Venezuela. Mérida: El Pino, 16
km E of Apartaderos, 19 July 1971, *Dumont
and others VE 2480* (NY)

echinata Singer, 1950e: 253

HOLOTYPE: Argentina. Tucumán: Los Sosas,
19 January 1950, *Singer T 919* (LIL)

fendleri Singer, 1974b: 32, 101

HOLOTYPE: Brazil. São Paulo: Reserva Flores-
tal do Horto, Florestal, Serra de Cantareira, 17
December 1964, *Singer & Furtado B 4118* (F)

filopes Singer & Fidalgo, 1965f: 11

HOLOTYPE: Brazil. São Paulo: São Paulo,
Parque do Estado, 1961, *Furtado SP 60965*
(SP)

furfurella Singer, 1974b: 87, 103

HOLOTYPE: Venezuela. Mérida: Parque Na-
cional Sierra Nevada, 25 July 1971, *Dumont
and others VE 2991* (NY)

heliconiae Singer, 1974b: 58, 101

HOLOTYPE: Venezuela. Sucre: Trail from Los
Pocitos to Río Grande Arriba, 13 July 1972,
Dumont and others VE 5029 (NY)

intermedia ssp. *pulverulenta* var. *dicotyledonea*
Singer, 1974b: 95, 104

HOLOTYPE: Trinidad. River Estate, Diego
Martin, 29 September 1949, *Dennis 95* (K)

intermedia ssp. *pulverulenta* var. *dennisiana*
Singer, 1974b: 95, 104

HOLOTYPE: Venezuela. Mérida: La Montaña
above Mérida, 30 July 1971, *Dumont and oth-
ers VE 3454* (NY)

intermedia ssp. *pulverulenta* var. *tetraspora*
Singer, 1974b: 97, 104

HOLOTYPE: Venezuela. Trujillo: between Es-
cuque, and La Mesa de San Pedro, 31 July
1971, *Dumont and others VE 3516* (NY)

mainsii Singer, 1974b: 60, 101

HOLOTYPE: Belize. El Cayo: Valentin, 25 June
1936, *Mains s. n.* (BPI)

meridae Singer, 1974b: 84, 103

HOLOTYPE: Venezuela. Mérida: Parque Na-
cional Sierra Nevada, Laguna Negra, 18 July
1971, *Dumont and others VE 2317* (NY)

montana Singer, 1974b: 70, 102

HOLOTYPE: Argentina. Jujuy: Lagunas de
Yala, 11 February 1966, *Singer T 5056* (F)

- oligogloea* Singer, 1974b: 78, 103
HOLOTYPE: Ecuador. Napo: Lago Agrio, 8 May 1973, *Singer B* 7278 (F)
- oligopora* Singer, 1974b: 25, 101
HOLOTYPE: Colombia. Valle: Cali, Buenaventura, San Joaquín, 22 April 1968, *Singer B* 6279 (F)
- pantherina* Singer, 1974b: 74, 103
HOLOTYPE: Argentina. Misiones: Iguazú, Refugio Yaguareté, 15 April 1957, *Singer M* 1003 (F)
- pterigena* Singer, 1950e: 255
HOLOTYPE: Argentina. Tucumán: Sierra Muñoz, 13 January 1950, *Singer T* 862 (LIL)
- pterigena* var. *boliviana* Singer, 1974b: 56, 101
HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Carmen Pampa, 1 February 1956, *Singer B* 817 (F)
- pterigena* var. *purpurea* Singer, 1974b: 57, 101
HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Cataratas de San Juan, 28 January 1956, *Singer B* 603 (F)
- puberula* Singer, 1974b: 71, 102
HOLOTYPE: Venezuela. Dto. Federal: Mt. La Naiguata, 25 June 1971, *Dumont and others VE* 710 (NY)
- roseogrisea* Singer, 1974b: 82, 103
HOLOTYPE: Colombia. Tolima: road from Cajamarca to Calaná, 11 April 1968, *Singer B* 6035 (F)
- sabalensis* var. *geonematis* Singer, 1974b: 36, 101
HOLOTYPE: Ecuador. Napo: Shushufindi, 15 May 1973, *Singer B* 7441 (F)
- subamyloidea* Singer, 1974b: 89, 104
HOLOTYPE: Venezuela. Sucre: NW of Irapa, 9 July 1972, *Dumont and others VE* 4425 (NY)
- teapae* Singer, 1974b: 64, 102
HOLOTYPE: Mexico. Río Teapa, between Ixtacomitan and Solusuchiapa, 1 August 1969, *Singer M* 8798 (F)
- thwaitesii* ssp. *dybowskyana* Singer, 1945g: 211
Type information: Uganda [Protectorate]. Near Tropical Inst. at Mulange, *Dummer* (Patouilla)
- thwaitesii* ssp. *zenkeriana* Singer, 1945g: 211
Type information: Liberia. Oulah, August 1926, *Linder* (FH?)
- varariotecta* Singer, 1945g: 201
Type information: British West Indies. Grand Etang, *Thaxter* (FH)
- violascens* Singer, 1974b: 88, 103
HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Carmen Pampa, 17 February 1956, *Singer B* 1227 (F)

FAYODIA

- agloea* Singer & Passauer, 1979c: 299
HOLOTYPE: Austria. Upper Austria, 2 May 1976, *Moog/Passauer* (W)

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- bisphaerigera* var. *grisea* Singer, 1947c: 243
Type information: Spain. Catalonia, between Bossost and Portillo, October 1934.
- deusta* Singer & Cléménçon, 1971b: 123
HOLOTYPE: USA. Michigan: Cheboygan County, Bryant Road, 24 July 1968, *Cléménçon* 680724-0 (LAU)
- dusenii* var. *griseilamellata* Singer, 1952c: 220
HOLOTYPE: Argentina. Tierra del Fuego, Estancia Nueva Argentina, 10 February 1950, *Singer M* 162 (LIL)
- marthae* Singer & Cléménçon, 1971b: 122
HOLOTYPE: Italy. Savoia: Val Feret, Frébouze, 8 June 1971, *M. Singer [Singer no.] C* 5383 (F)
- metuloidigera* Singer, 1989a: 90
HOLOTYPE: Argentina. Jujuy: Lagunas de Yala, 9 February 1965, *Singer T* 3910 (F)
- tenuisperma* Singer, 1969a: 146
HOLOTYPE: Argentina. Neuquén: Nahuel Huapi National Park, Arroyo Frutillas, 24 April 1965, *Singer M* 3620 (BAFC)
- tetrasphaerigera* Singer, 1965e: 38
HOLOTYPE: Brazil. Rio Grande do Sul: Guanabara, Floresta de Tijuca, 28 October 1961, *Singer B* 4046 (BAFC)
- tilieti* Singer, 1943a: 63
Type information: USSR. Moldavia, August-September.

FISTULINELLA

- alfaroae* Singer & Gómez, 1991a: 77, 88
HOLOTYPE: Costa Rica. Limon: Valle de la Estrella, 5 August 1986, *Singer, Gómez & Alfaro [Singer no.] B* 14621 (F)
- campinaranae* Singer, 1978a: 436
HOLOTYPE: Brazil. Amazonas: Road Manaus-Caracará, km 45, 18 July 1977, *Singer B* 10109 (INPA)
- campinaranae* var. *scrobiculata* Singer, 1983f: 148
HOLOTYPE: Brazil. Amazonas: Road Manaus-Caracará, km 45, 31 March 1980, *Webber & Singer [Singer no.] B* 12089 (INPA)
- conica* var. *belizensis* Singer, 1983f: 140
HOLOTYPE: Belize. Augustine: Forest Station, 17 June 1976, *Ivory S/114* (F)
- wolfeana* Singer & Garcia, 1991a: 82, 88
HOLOTYPE: Mexico. Hidalgo: Minas Viejas, 31 July 1981, *Garcia* 658 (F)

FLAMMULA

- freindlingiae* Singer, 1936g: 170, 171
Type information: USSR. (LE?)

lenticeps Singer, 1941e: 97

Type information: Finland. Karelia, August, Freindling & Singer (LE?)

maackiae Singer, 1941e: 97

Type information: USSR. Khabarovsk: Oriens Extr., September, Ljubarski (LE?)

semiimbricata Singer, 1937: 240, 241

Type information: USSR. Western Caucasus: In valley Flum, Malaja Laba, spring 1936, Vasiljeva (LE?)

FULVIDULA

alpina Singer, 1937: 239

Type information: USSR. Caucasus: Mt. Goulthi, In valle Urzuacski., July-August 1936, Vasilieva.

janthinosarx Singer, 1941e: 92

Type information: USSR. Altai Mtns.: Katun, July 1937, Singer (LE?)

GALERINA

aberrans Smith & Singer, 1955e: 582

HOLOTYPE: USA. Michigan: Cheboygan County, Whitemore Lake, Mud Lake Bog, 25 September 1933, Smith 33-1024 (MICH)

acicola Smith & Singer, 1955e: 562

HOLOTYPE: USA. Oregon: Mt. Hood National Forest, Little Crater Lake, 5 October 1946, Smith 24101 (MICH)

agloea Smith & Singer, 1955e: 574

HOLOTYPE: USA. Washington: Mt. Rainier National Park, Carbon River, 2 October 1952, Smith 40462 (MICH)

aimara Singer, 1964h: 112

HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Cotapata, 25 January 1956, Singer B 502 (MICH)

allospora Smith & Singer, 1955e: 585

HOLOTYPE: USA. Michigan: Cheboygan County, Mud Lake Bog, 12 October 1953, Smith 44038 (MICH)

alpestris Singer, 1974a: 372

HOLOTYPE: Switzerland. Valais, Glacier Lake below Glacier de Moiry, 14 August 1971, Singer 5494 (F)

andina Singer, 1964h: 144

HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Cotapata, 25 January 1956, Singer B 509 (MICH)

anelligera Smith & Singer, 1958i: 475

HOLOTYPE: USA. Idaho: Payette Lakes, South fork of Lake Fork, 17 September 1956, Shaffer (Smith no.:) 53494 (MICH)

angustifolia Smith & Singer, 1964h: 317

HOLOTYPE: USA. Colorado: Lizard Head Pass, 10 August 1956, Smith 52000 (MICH)

antarctica Singer, 1962d: 13

HOLOTYPE: Antarctica. Peninsula, Costa de Danco, 5 January 1958, Corte 1.024/CE 50.134 (IAA: Instituto Antartico Argentino, no longer exists).

arenaria Singer, 1953d: 124

HOLOTYPE: Brazil. Rio Grande do Sul: Parecí, 2 November 1951, Singer B 70 (LIL)

asteliae Singer, 1969a: 315

HOLOTYPE: Chile. Valdivia: Cordillera Pelada, 30 April 1967, Singer M 6557 (SGO)

australcalyptrata Smith & Singer, 1964h: 82

HOLOTYPE: Argentina. Neuquén: Nahuel Huapí National Park, Puerto Blest, path to Cántaros, 23 April 1958, Pujals & Gamundi 50 (LIL). Isotype: MICH

australcalyptrata var. *olivaceolamellata* Singer, 1964h: 83

HOLOTYPE: Chile. Llanquihué: Puella, 21 March 1959, Singer M 1945 (LIL)

berteroana Singer, 1969a: 306

HOLOTYPE: Argentina. Río Negro: Nahuel Huapí National Park, Brazo Tristeza, 6 May 1964, Singer M 3998 (BAFC)

boliviana Singer, 1964h: 58

HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Cotapata, 28 January 1956, Singer B 628a (MICH)

borealis Smith & Singer, 1958i: 470

HOLOTYPE: USA. Idaho: Granite Creek, near Nordman, 15 October 1956, Smith 54772 (MICH)

bullulifera Singer in Singer & Digilio, 1951e: 375

HOLOTYPE: Argentina. Tucumán: Tafi del Valle, Parque Aconquija, 10 July 1949, Singer T 600 (LIL). [Published in 1952].

californica Smith & Singer, 1958i: 470

HOLOTYPE: USA. California: Trinidad, 4 December 1956, Smith 56299 (MICH)

cascadensis Smith & Singer, 1955e: 571

HOLOTYPE: USA. Washington: Mt. Rainier National Park, 19 October 1952, Smith 41144 (MICH)

castaneipes Smith & Singer, 1958i: 472

HOLOTYPE: USA. Oregon: Grants Pass, 12 November 1956, Smith 55523 (MICH)

castanescens Smith & Singer, 1958i: 471

HOLOTYPE: USA. Idaho: Granite Creek, Nordman, 9 October 1956, Smith 54347 (MICH)

cedretorum var. *austroandina* Singer, 1964h: 281

HOLOTYPE: Argentina. Río Negro: Nahuel Huapí National Park, Río Frías, path to Paso de los Nubes, 16 March 1959, Singer M 1849 (LIL)

- cedretorum* var. *bispora* Smith & Singer, 1964h: 280
HOLOTYPE: *Smith 56162* (MICH). Type locality not given.
- cedretorum* var. *filiformis* Smith & Singer, 1964h: 282
HOLOTYPE: USA. Washington: Mt. Rainier National Park, near Green Lake, 17 October 1952, *Smith 41032* (MICH)
- cedretorum* var. *variabilis* Smith & Singer, 1964h: 284
HOLOTYPE: USA. Colorado: San Juan Mtns., 13 August 1956, *Smith 52126* (MICH)
- cerina* Smith & Singer, 1955e: 563
Type information: USA. 1188 (MICH)
- cerina* var. *ampullicystis* Smith & Singer, 1955e: 565
HOLOTYPE: USA. Michigan, 23 June 1953, *Singer N 142* (F)
- cerina* var. *brachycystis* Smith & Singer, 1955e: 569
HOLOTYPE: USA. Michigan: Pinckney, George Reserve, 21 July 1933, *Smith 33-606* (MICH)
- cerina* var. *bresadolae* Smith & Singer, 1955e: 568
HOLOTYPE: USA. Washington: Mt. Rainier National Park, Green Lake, October 1952, *Smith 40994* (MICH)
- cerina* var. *cerina* f. *bispora* Smith & Singer, 1955e: 565
HOLOTYPE: USA. Michigan: near Whitmore Lake, June 1951, *Smith 44136* (MICH)
- cerina* var. *contorticystis* Smith & Singer, 1955e: 570
HOLOTYPE: USA. Michigan: Luce County, Tahquamenon Falls State Park, 17 August 1953, *Singer N 1326* (F)
- cerina* var. *longicystis* Smith & Singer, 1955e: 567
HOLOTYPE: USA. Washington: Mt. Rainier National Park, Carbon River, *Smith 40453* (MICH)
- cerina* var. *luteovelata* Smith & Singer, 1955e: 566
HOLOTYPE: USA. Washington: Olympic National Forest, Hoh River, 7 May 1939, *Smith 13191* (MICH)
- cerina* var. *luteovelata* f. *occidentalis* Smith & Singer, 1964h: 69
HOLOTYPE: USA. Washington: Snoqualmie Pass, 26 September 1954, *Smith 47903* (MICH)
- cerina* var. *nebularum* Smith & Singer, 1964h: 76
HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Mt. Uchumachi, 25 February 1956, *Singer B 1471* (MICH)
- cerina* var. *yungensis* Smith & Singer, 1964h: 78
HOLOTYPE: Bolivia. La Paz: Nor-Yungas, near Catarata, San Juan, 24 January 1956, *Singer B 624* (MICH)
- cingulata* Singer, 1964h: 218
HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Carmen Pampa, February, *Singer B 1536* (MICH)
- cinnamomea* Smith & Singer, 1958i: 473
HOLOTYPE: USA. Oregon: Grants Pass, 10 November 1956, *Smith 55422* (MICH)
- columbiana* Singer, 1973d: 89
HOLOTYPE: Colombia. Boyacá: Arcabuco, 29 July 1960, *Singer B 3608* (F)
- conspicua* Singer, 1969a: 318
HOLOTYPE: Argentina. Río Negro: Nahuel Huapí National Park, between Laguna Frías and Paso de las Nubes, 24 March 1963, *Singer M 3186* (BAFC)
- coquimbensis* Singer, 1969a: 310
HOLOTYPE: Chile. Coquimbo: Fray Jorge, 16 April 1967, *Singer M 6532* (SGO)
- decipiens* Smith & Singer, 1955e: 577
HOLOTYPE: USA. Michigan: Emmet County, Mackinaw City Hardwoods, 7 June 1953, *Singer N 431* (F)
- decipiens* var. *separans* Smith & Singer, 1955e: 579
HOLOTYPE: USA. Michigan: Emmet County, Wilderness Park, 29 July 1953, *Smith 41739* (MICH)
- dicranorum* Smith & Singer, 1958i: 474
HOLOTYPE: USA. Maine: S of Sinclair, 27 August 1956, *Bigelow 4421* (MICH)
- dimorphocystis* Smith & Singer, 1955e: 558
HOLOTYPE: USA. Michigan: Luce County, Tahquamenon Falls State Park, 1953, *Smith 41401* (MICH)
- dimorphocystis* var. *nexapensis* Singer, 1964h: 46
HOLOTYPE: Mexico. Dto. Federal, near San Pedro de Nexapa, 21 July 1957, *Singer M 1566* (MICH)
- discernibilis* Singer, 1973d: 90
HOLOTYPE: Colombia. Valle: Cali, 15 April 1968, *Singer B 6150* (F)
- dominici* Singer apud Dennis ex Singer, 1964h: 125
HOLOTYPE: Venezuela. Mérida: Sierra de Santo Domingo, *Dennis 2506* (LIL)
- elaeophylla* Singer, 1969a: 312
HOLOTYPE: Chile. Santiago: Quebrada Diego, near Carmen, 6 July 1967, *Singer M 7115* (SGO)
- emmetensis* Smith & Singer, 1955e: 580
HOLOTYPE: USA. Michigan: Emmet County, between Brutus and Pellston, June-July 1953, *Singer N 83* (F, MICH)

- emnetensis* var. *intermedia* Smith & Singer, 1955e: 581
HOLOTYPE: USA. Michigan: near Brutus, 6 July 1953, *Smith 41515* (MICH)
- evelata* var. *fulvipes* Smith & Singer, 1964h: 86
HOLOTYPE: USA. Washington: near Longmire, 11 October 1954, *Smith 48836* (MICH)
- fallax* Smith & Singer, 1955e: 561
HOLOTYPE: USA. *Smith 16239* (MICH)
- fallax* f. *subfiliformis* Smith & Singer, 1964h: 85
HOLOTYPE: Canada. Quebec: Laurentide Park, near Mare du Sault, 2 September 1956, *Smith 61758* (MICH)
- filiformis* Smith & Singer, 1958i: 474
HOLOTYPE: USA. California: Trinidad, 10 December 1956, *Smith 56556* (MICH)
- fuegiana* Singer, 1953a: 242
HOLOTYPE: Argentina. Tierra del Fuego: Río Grande, Estancia Nueva Argentina, 17 February 1950, *Singer M 327* (LIL)
- funariae* Smith & Singer, 1955e: 594
HOLOTYPE: USA. Washington: Kalaloch, April, *Smith 12063* (MICH)
- gamundiae* Singer, 1964h: 194
HOLOTYPE: Argentina. Neuquén: Villa La Angostura, *Pujals & Gamundi 366* (LIL). Duplicate material at BAFC.
- glacialis* Singer, 1941e: 92
Type information: USSR. Altai Mtns., August, *Singer* (LE?)
- hypnorum* var. *evelata* Singer, 1946g: 146
Type information: USA. New Hampshire: White Mtns., Mount Washington, August 1945, *Singer WM-3 or WM-21* (FH). [Published in 1948].
- hypsizyga* Singer, 1964h: 174
HOLOTYPE: Argentina. Catamarca: Minas Capillitas, 1-3 March 1952, *Singer T 1916* (LIL)
- inconspicua* Singer, 1954b: 139, 140
HOLOTYPE: Argentina. Neuquén: Nahuel Huapi National Park, Quetrichué, 16 May 1952, *Singer M 662* (LIL). Also published in Smith & Singer, 1955e: 592.
- inconspicua* var. *mixta* Singer, 1969a: 319
HOLOTYPE: Argentina. Río Negro: Nahuel Huapi National Park, near Santa Maria, 19 April 1965, *Singer M 5064* (BAFC)
- inconspicua* var. *sublevis* Singer, 1969a: 319
HOLOTYPE: Argentina. Neuquén: Puerto Manzano, 8 April 1963, *Singer M 3324* (BAFC)
- infernalis* Singer, 1964h: 268
HOLOTYPE: Argentina. Tucumán: Infiernillo, 3 January 1960, *Singer B 3046* (LIL)
- jaapii* Smith & Singer, 1955e: 574
Type information: Germany. See *Fungi Selecti Exsiccati* 10, VIII, 1903

- karstenii* Smith & Singer, 1964h: 319
HOLOTYPE: Finland. 9 September 1865, *Karsten* (H)
- laeta* Singer, 1964h: 185
HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Cotapata, 28 January 1956, *Singer B 626* (MICH)
- larigna* Singer, 1941e: 93
Type information: USSR. Altai Mtns., July, *Singer & Vasilieva* (LE?)
- latispora* Smith & Singer, 1955e: 591
HOLOTYPE: USA. Washington: Mt. Rainier National Park, Castle Peak, 20 September 1952, *Smith 40099* (MICH)
- latispora* var. *mexicana* Singer, 1964h: 312
HOLOTYPE: Mexico. Dto. Federal: Paso de Cortés, 21 July 1957, *Singer M 1567* (MICH)
- leucobryicola* Smith & Singer, 1958i: 476
HOLOTYPE: USA. Michigan: Washtenaw County, Pinckney Recreation Area, 29 May 1955, *Smith 49533* (MICH)
- longinqua* Smith & Singer, 1958i: 477
HOLOTYPE: Australia. Macquarie Island: N of Green Gorge, 29 March 1954, *Bunt* (LIL)
- luteolosperma* Singer, 1955e: 570
HOLOTYPE: USA. Michigan: Trout Lake, 4 October 1953, *Smith 43722* (MICH)
- machangaraensis* Singer, 1978h: 67
HOLOTYPE: Ecuador. Pichincha: near Quito, Río Machángara, 20 May 1973, *Singer B 7545* (F)
- macquariensis* Smith & Singer, 1958i: 478
HOLOTYPE: Australia. Macquarie Island, *Bunt 1950-51* (MICH)
- mainzii* Smith & Singer, 1958i: 479
HOLOTYPE: USA. Montana: Glacier National Park, Logan Pass, 20 August 1941, *Mains 6116* (MICH?)
- mainzii* var. *tetraspora* Singer, 1974a: 382
HOLOTYPE: Switzerland. Valais, along River Borgne de Ferpècle, 11 July 1971, *Singer C 5471* (F)
- majalis* Singer, 1989a: 116
HOLOTYPE: USA. Illinois: Cook County, 26 May 1984, *Singer N 4121* (F)
- marthae* Singer, 1969a: 309
HOLOTYPE: Chile. Valdivia: Cordillera Pelada, 7 May 1965, *Singer M 5589* (BAFC)
- megalocystis* Smith & Singer, 1955e: 588
HOLOTYPE: USA. California: Trinidad, 30 November 1935, *Parks & Smith 3680* (MICH)
- meridionalis* Singer & Cléménçon, 1971b: 127
HOLOTYPE: France. Alpes maritimes: 3 km west of Valouris, 15 December 1970, *Singer C 5347* (F)
- mesites* Smith & Singer, 1955e: 587
HOLOTYPE: USA. Michigan: Emmet County, Mackinaw City Hardwoods, October, *Smith 44054* (MICH)

minor Singer, 1953d: 125

HOLOTYPE: Brazil. Rio Grande do Sul: Parecí,
2 November 1951, *Singer B 65* (LIL)

mollis Smith & Singer, 1955e: 590

HOLOTYPE: USA. Washington: Mt. Rainier
National Park, Green Lake, 17 October 1952,
Smith 41074 (MICH)

montivaga Singer, 1969a: 306

HOLOTYPE: Argentina. Tucumán: Tañí del Val-
le, 12 December 1958, *Singer M 3161* (LIL)

mycenoides f. *mamillata* Singer, 1950h: 480

HOLOTYPE: USSR. Altai Mtns. (LE). No Latin
diagnosis.

nana f. *bohémica* Singer, 1950h: 467

Type information: USSR. Altai Mtns. (LE). No
Latin diagnosis.

naucorioides Smith & Singer, 1955e: 584

HOLOTYPE: USA. Michigan: Marquette Coun-
ty, Huron Mtns., September, *Smith 33-995*
(MICH)

nigripes Smith & Singer, 1958i: 480

HOLOTYPE: USA. Oregon: McLeod, near
Grant's Pass, 15 November 1956, *Smith 55691*
(MICH)

nordmaniana Smith & Singer, 1958i: 480

HOLOTYPE: USA. Idaho: Granite Creek, near
Nordman, 9 October 1956, *Smith 54260*
(MICH)

nubigena Smith & Singer, 1964h: 60

HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Cer-
ro Uchumachi, 25 February 1956, *Singer B*
1469 (MICH)

oligocalyptata Singer, 1989a: 117

HOLOTYPE: Colombia. Boyacá: Arcabuco, 28
July 1960, *Singer B 3571* (F)

oreina Smith & Singer, 1955e: 593

HOLOTYPE: USA. Washington: Mt. Rainier
National Park, Snow Lake, *Smith 40344*
(MICH)

papillata Singer in Singer & Digilio, 1951e: 382

HOLOTYPE: Argentina. Tucumán: Cerro Alto
del Taficillo, 4 March 1951, *Singer T 1375*
(LIL). [Published in 1952].

patagonica Singer, 1954b: 140, 141

HOLOTYPE: Argentina. Neuquén: Nahuel Hua-
pi, Gebiet, 16 May 1952, *Singer M 677* (LIL)

payettensis Smith & Singer, 1958i: 481

HOLOTYPE: USA. Idaho: Payette Lakes, Lake
Fork Creek, South Fork, 17 September 1956,
Smith 53491 (MICH)

peladae Singer, 1969a: 314

HOLOTYPE: Chile. Valdivia: Cordillera Pelada,
6 May 1967, *M. Singer [Singer no.] M 6735*
(SGO)

perangusta Smith & Singer, 1958i: 482

HOLOTYPE: USA. California: Humboldt State
Park, 30 November 1956, *Smith 56007*
(MICH)

perrara Singer, 1962d: 16

HOLOTYPE: Antarctica. Peninsula, Costa de
Danco, 17 February 1961, *Corte 044* (IAA:
Instituto Antartico Argentino, no longer ex-
ists)

phlegmacoides Singer, 1969a: 313

HOLOTYPE: Chile. Valdivia: Cordillera Pelada,
Chivería, 10 May 1965, *Singer M 5711*
(BAFC)

physospora Singer in Singer & Digilio, 1951e: 381

HOLOTYPE: Argentina. Tucumán: Tañí del Val-
le, Parque Aconquija, 10 July 1949, *Singer T*
597 (LIL). [Published in 1952].

polytrichorum Singer, 1964h: 194

HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Co-
tapata, 28 January 1956, *Singer B 619*
(MICH)

praetervisa Singer, 1964h: 352

HOLOTYPE: Argentina. Neuquén: Rincón, 18
March 1963, *Singer M 3064* (BAFC)

proxima Singer, 1964h: 200

HOLOTYPE: Argentina. Tierra del Fuego, Feb-
ruary, *Singer M 187* (LIL)

pseudocamerina var. *pargoloviana* Singer, 1964h: 120

Type information: USSR. Leningrad, 1937,
Singer (LE). Syntype: MICH

pseudocerina Smith & Singer, 1958i: 483

HOLOTYPE: USA. Colorado: San Juan Mtns.,
Trout Lake, 14 August 1956, *Smith 52182*
(MICH)

pubescentipes Smith & Singer, 1964h: 320

HOLOTYPE: USA. Idaho: Seven Devils' Mtns.,
12 September 1956, *Smith 53374* (MICH)

pucarensis Singer, 1969a: 305

HOLOTYPE: Argentina. Neuquén: Pucará, 6
November 1966, *Singer M 6023* (BAFC)

pulchra Smith & Singer, 1964h: 101

HOLOTYPE: USA. Washington: Mt. Rainier
National Park, near Green Lake, 19 October
1952, *Smith 41205* (MICH)

quinteroensis Singer, 1969a: 316

HOLOTYPE: Chile. Valparaíso: Quintero, 27
June 1967, *Singer M 7004* (SGO)

radicellicola Singer, 1964h: 353

HOLOTYPE: Argentina. Neuquén: Nahuel Hua-
pi National Park, Puerto Blest, Los Cántaros,
23 March 1963, *Singer M 3154* (BAFC)

riparia Singer, 1953a: 249

Type information: Argentina. Tierra del Fuego
(LIL). No type indicated. Type may be among
Singer's collections M 314-315, M 240 and M
352.

rostrata Smith & Singer, 1958i: 484

HOLOTYPE: USA. California: Orick, Prairie
Creek State Park, 5 December 1956, *Smith*
56364 (MICH)

- sahleri* var. *sequoiae* Smith & Singer, 1964h: 65
HOLOTYPE: USA. California: Orick, 3 December 1935, *Smith* 3745 (MICH)
- saltensis* Singer in Singer & Digilio, 1951e: 382
HOLOTYPE: Argentina. Salta: Corralitos, 24 March 1951, *Singer* T 1418 (LIL). [Published in 1952].
- sanctixaverii* Singer, 1973d: 91
HOLOTYPE: Argentina. Tucumán: San Javier, 28 February 1962, *Singer* T 3776 (BAFC)
- semiglobata* Singer, 1953d: 147
HOLOTYPE: Brazil. Rio Grande do Sul: Taimbesinho, 5 November 1951, *Singer* B 100 (LIL)
- sequoiae* Singer, 1989a: 118
HOLOTYPE: USA. California: Samuel Taylor Park, 6 February 1982, *Mackler and others* [*Singer* no.] N 5005 (F)
- simocyboides* Singer, 1969a: 311
HOLOTYPE: Chile. Coquimbo: Fray Jorge, 16 April 1967, *Singer* M 6529 (SGO)
- stylifera* var. *badia* Smith & Singer, 1958i: 486
HOLOTYPE: USA. Idaho: Kaniksu National Forest, Granite Creek, 6 October 1956, *Smith* 54112 (MICH)
- stylifera* var. *caespitosa* Smith & Singer, 1964h: 134
HOLOTYPE: USA. Michigan: Oakland County, Haven Hill, Highland Recreation Area, October 1951, *Smith* 41223 (MICH)
- stylifera* var. *velosa* Smith & Singer, 1958i: 487
HOLOTYPE: USA. Idaho, 1954, *Smith* 47201 (MICH)
- subarctica* Smith & Singer, 1964h: 54
HOLOTYPE: USA. Alaska: near Anchorage, 9 October 1959, *Wells* 1959 # 3 (MICH)
- subbadia* Smith & Singer, 1955e: 572
HOLOTYPE: USA. Oregon: Blue River, 16 October 1937, *Smith* 7845 (MICH)
- subbullulifera* Singer, 1953d: 137
HOLOTYPE: Brazil. Rio Grande do Sul: Estacio Sao Salvador, 9 November 1951, *Singer* B 126 (LIL)
- subceracea* Smith & Singer, 1955e: 559
HOLOTYPE: USA. Michigan: Wilderness Park, 7 October 1953, *Smith* 43847 (MICH)
- subcerina* Smith & Singer, 1958i: 485
HOLOTYPE: USA. Maine: Aroostook County, near Guerette, 25 August 1956, *Bigelow* 4379 (MICH)
- subglabripes* Smith & Singer, 1955e: 589
HOLOTYPE: USA. Washington: Mt. Rainier National Park, Carbon River, 2 October 1952, *Smith* 40459 (MICH)
- subpapillata* Singer & Dennis, 1964h: 221
HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Carmen Pampa, 17 February 1956, *Singer* B 1240 (LIL)
- subtibicystis* Singer, 1953d: 146
HOLOTYPE: Brazil. Rio Grande do Sul: Taimbesinho, 5 November 1951, *Singer* B 102 (LIL)
- subtruncata* Smith & Singer, 1958i: 486
HOLOTYPE: USA. Washington: Mt. Rainier National Park, St. Andrew's Creek, 24 September 1952, *Smith* 40199 (MICH)
- taimbesinhoensis* Singer, 1953d: 148
HOLOTYPE: Brazil. Rio Grande do Sul: Taimbesinho, 5 November 1951, *Singer* B 101 (LIL)
- tatrensis* Singer, 1989a: 118
HOLOTYPE: Czechoslovakia. Slovakia: Skal-nate Pleso, 5 September 1974, *Singer* C 5881 (F)
- thujina* Smith & Singer, 1955e: 595
HOLOTYPE: USA. Michigan: Luce County, Tahquamenon Falls State Park, 11 September 1953, *Smith* 42589 (MICH)
- triscopa* f. *longicystis* Smith & Singer, 1958i: 489
HOLOTYPE: USA. Idaho: Payette Lakes, 30 August 1954, *Bigelow* [*Smith* no.] 47110 (MICH)
- triscopa* var. *tetrascopa* Smith & Singer, 1964h: 105
HOLOTYPE: USA. Michigan, *Smith* 42157 (MICH)
- tsugae* Smith & Singer, 1955e: 586
HOLOTYPE: USA. Michigan: Cheboygan County, Mud Lake Bog, *Smith* 44070 (MICH)
- tundrae* Smith & Singer, 1955e: 584
HOLOTYPE: USA. Washington: Mt. Rainier National Park, below Gobler's Knob, 12 October 1952, *Smith* 40858 (MICH)
- turfosa* Smith & Singer, 1955e: 560
HOLOTYPE: USA. Michigan: Whitmore Lake, September 1933, *Smith* 33-1101 (MICH)
- uchumachiensis* Singer, 1964h: 150
HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Cerro Uchumachi, 25 February 1956, *Singer* B 1470 (MICH)
- velutipes* Singer, 1964h: 284
HOLOTYPE: Argentina. Misiones: Puerto Iguazú, 12 April 1957, *Singer* M 932 (LIL)
- vexans* Smith & Singer, 1955e: 583
HOLOTYPE: USA. Michigan, Pt. Aux Chenes and Wilderness Park, *Smith* 42824 (MICH)
- viatica* Singer, 1964h: 231
HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Carmen Pampa, 17 February 1956, *Singer* B 1247 (LIL)
- victoriae* Singer, 1954b: 140
HOLOTYPE: Argentina. Neuquén: Nahuel Huapi National Park, Isla Victoria, 17 May 1952, *Singer* M 710 (LIL)

- vinaceobrunnea* Smith & Singer, 1955e: 573
HOLOTYPE: USA. Michigan: Burt Lake, Miller's Bog, 23 September 1949, *Smith* 34149 (MICH)
- vittaeformis* var. *albescens* Smith & Singer, 1964h: 333
HOLOTYPE: USA. *Smith* 40128 (MICH)
- vittaeformis* f. *bispora* Smith & Singer, 1964h: 334
HOLOTYPE: USA. Washington: Mt. Rainier National Park, 30 September 1952, *Smith* 40340 (MICH)
- vittaeformis* var. *pachyspora* Smith & Singer, 1958i: 488
HOLOTYPE: Australia. Macquarie Island: West Point, 31 March 1953, *Bunt* (LIL, MICH)
- vittaeformis* var. *subannulata* Singer, 1953a: 246
HOLOTYPE: Argentina. Tierra del Fuego: Río Grande, Estancia Nueva Argentina, 22 February 1950, *Singer* M 429 (LIL)
- yungicola* Singer, 1964h: 114
HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Co-roico, 5 February 1956, *Singer* B 932 (MICH)

GALEROPSIS

- andina* Singer, 1963c: 107
HOLOTYPE: Argentina. Mendoza: San Carlos, Arroyo de Cruz de Piedras, 20 January 1941, *Ruiz Leal* 7287 (*Ruiz Leal*'s herbarium). A duplicate of the holotype in BAFC.
- andina* var. *gracilior* Singer, 1963c: 107
HOLOTYPE: Argentina. Mendoza: San Carlos, Laguna del Diamante, 20 January 1941, *Ruiz Leal* 7233 (*Ruiz Leal*'s herbarium)

GASTROBOLETUS

- fascifer* Singer & Smith, 1964j: 310
HOLOTYPE: Zimbabwe. Umtali District, 28 May 1961, *Chase* 7549 (K)
- laricinus* Singer & Both, 1977b: 60
HOLOTYPE: USA. New York: Olcott, 1 October 1975, *Both* 1858 (BUF). Isotype: FH

GERRONEMA Singer, 1951b: 599

- Type species: *Gerronema melanomphax* Singer
- albogriseolum* Singer, 1989a: 13
HOLOTYPE: Brazil. Amazonas, Road Manaus-Caracará, km 125, 20 July 1978, *Singer* B 11291 (INPA)
- alexandri* Singer, 1961b: 51
HOLOTYPE: USA. Michigan: Luce County, near Tahquamenon Falls, 23 June 1953, *Singer* N 127 (F)

- alutaceum* Singer, 1978b: 155
HOLOTYPE: Switzerland. *Singer* C 5116 (F). Isotype: LAU
- angustifolium* Singer, 1959b: 379
HOLOTYPE: USA. Florida: Dade County, Miami, Brickell Hammock, 25 October 1942, *Singer* F 1285 (FH)
- bethlehemicum* Singer, 1989a: 14
HOLOTYPE: Brazil. Pará: Belem, 10 June 1966, *Singer* B 4274 (BAFC)
- brunneum* Singer, 1964e: 78
HOLOTYPE: Bolivia. La Paz: Nor-Yungas, 23 February 1956, *Singer* B 1399 (BAFC)
- bryogeton* Singer, 1961b: 50
HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Camen Pampa, 1 February 1956, *Singer* B 811 (LIL)
- calongei* Singer, 1970a: 67
HOLOTYPE: Colombia. Valle: Municipalidad Dagua, 14 April 1968, *Singer* B 6122 (F)
- candidum* Singer, 1989a: 14
HOLOTYPE: Brazil. Amazonas, Road Manaus-Caracará, km 45, 10 August 1978, *Singer* B 11372 (INPA)
- cheilocystidium* Singer, 1970a: 68
HOLOTYPE: Colombia. Valle: between Cisneros and Córdoba, 23 April 1968, *Singer* B 6300 (F)
- collybiomorphum* Singer, 1978b: 155
HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 18 May 1977, *Singer* B 9662 (INPA)
- costaricense* Singer, 1989a: 15
HOLOTYPE: Costa Rica. Heredia, above San José de la Montaña, 29 June 1981, *Singer* B 12520 (F)
- cotapatae* Singer, 1964e: 87
HOLOTYPE: Bolivia. La Paz: Nor-Yungas, 2 February 1956, *Singer* B 821 (BAFC)
- daguense* Singer, 1989a: 15
HOLOTYPE: Colombia. Valle: Corr. El Vergel, 14 April 1960, *Singer* B 6123 (F)
- dennisii* Singer, 1964e: 81
HOLOTYPE: Bolivia. La Paz: Nor-Yungas, 9 February 1956, *Singer* B 1056 (BAFC)
- depauperatum* Singer, 1951b: 601
HOLOTYPE: Argentina. Tucumán: Santa Rosa, Along Río de las Pavas, 17 December 1950, *Singer* T 1067 (LIL)
- elasticum* Singer, 1951b: 599
HOLOTYPE: Argentina. Tucumán: Anta Muerta, 19 December 1949, *Singer* T 786 (LIL)
- elasticum* ssp. *amazonicum* Singer, 1964e: 63
HOLOTYPE: Bolivia. El Beni: Vaca Diez, 14 March 1956, *Singer* B 1978 (BAFC)
- flammeum* Singer, 1989a: 16
HOLOTYPE: Brazil. Amazonas, Road Manaus-Caracará, km 106, 4 April 1978, *Singer* B 10916 (INPA)

- hypolepargum* Singer, 1978h: 9
HOLOTYPE: Ecuador. Tungurahua: Río Verde, 28 April 1973, *Singer B 7162* (F)
- infundibuliforme* Singer, 1964e: 79
HOLOTYPE: Brazil. Rio Grande do Sul: Gua-poré, Guajarámirim, 10 March 1956, *Singer B 1803* (BAFC)
- josserandii* Singer, 1961b: 49
HOLOTYPE: Netherlands. Terschelling, 16 July 1955, *Jansen s.n.* (L)
- laccarioides* Singer, 1989a: 16
HOLOTYPE: Brazil. Amazonas: Manaus, 12 June 1977, *Singer B 9936* (INPA)
- leptosarcum* Singer, 1964e: 61
HOLOTYPE: Bolivia. El Beni: Vaca Diez, 6 March 1956, *Singer B 1602* (BAFC)
- majus* Singer, 1964e: 64
HOLOTYPE: Bolivia. Pando: Madre de Dios, 5 April 1956, *Singer B 2495* (BAFC)
- marchantiae* Singer & Cléménçon, 1971b: 119
HOLOTYPE: Switzerland. Valais: near the Borgne de Ferpècle, 11 July 1971, *Singer C 5445* (F)
- mariae* Singer, 1989a: 17
HOLOTYPE: Brazil. Amazonas: Manaus, 25 April 1978, *Souza [Singer no.] B 10997* (INPA)
- melanomphax* Singer, 1951b: 602
HOLOTYPE: Argentina. Tucumán: near Los So-sas, 1 January 1951, *Singer T 1094* (LIL)
- melleum* Singer & Cléménçon, 1971b: 120
HOLOTYPE: Switzerland. Valais: near the Borgne de Ferpècle, 11 July 1971, *Singer C 5453* (F)
- minutissimum* Singer, 1969a: 52
HOLOTYPE: Chile. Llanquihué: Puella, 22 March 1959, *Singer M 1998* (BAFC)
- moseri* Singer, 1983a: 277
HOLOTYPE: Austria. Vienna: Prater, 2 October 1904, *von Höhnelt* (FH)
- pantoxanthum* Singer, 1989a: 17
HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 25 May 1977, *Singer B 9713* (INPA)
- schusteri* Singer, 1972a: 178
HOLOTYPE: Antarctica. Anvers Island, Norsel Point, February 1969, *Schuster 69-3031* (BPI)
- subpallidum* Singer, 1959b: 378
HOLOTYPE: Argentina. Tucumán: Río de los Sosas, 1 March 1956, *Singer T 2248* (LIL)
- sucrense* Singer, 1989a: 18
HOLOTYPE: Venezuela. Sucre, 9 km N of road Rincon-Carupano-El Palar, 6 July 1972, *Dumont and others VE 4018* (NY)
- theophili* Singer, 1973d: 14
HOLOTYPE: Mexico. Veracruz, 7 km S of Es-tación Biológica de las Tuxtlas, 21 June 1969, *Singer M 8121* (F)

- xanthodictyon* Singer, 1964e: 65
HOLOTYPE: Bolivia. El Beni: Vaca Diez, 7 April 1956, *Singer B 2546* (BAFC)
- yalae* Singer, 1989a: 18
HOLOTYPE: Argentina. Jujuy: Lagunas de Yala, 11 February 1965, *Singer T 4011* (F)

GLOEOCANTHARELLUS Singer, 1945c: 140

Type species: *Cantharellus purpurascens* Hes-ler

GLOIOCEPHALA

- allomorpha* Singer, 1976a: 290
HOLOTYPE: Colombia. Valle: Corr. El Vergel, Municip. Dagua, km 25 N of Dagua road, 28 April 1968, *Singer B 6451* (F)
- alvaradoi* Singer, 1976a: 300
HOLOTYPE: Argentina. Jujuy: Lagunas de Yala, 9 February 1965, *Singer T 3909* (F)
- anastomosans* Singer, 1976a: 303
HOLOTYPE: Ecuador. Napo: Shushufindi, 13 May 1973, *Singer B 7392* (F)
- capillata* Singer, 1976a: 285
HOLOTYPE: Mexico. Chiapas: between Finca Sospiro and El Pozo, 4 August 1969, *Singer M 8979A* (F)
- cinnamomea* Singer, 1976a: 289
HOLOTYPE: Mexico. Chiapas: between Finca Sospiro and El Pozo, 4 August 1969, *Singer M 8971* (F)
- confusa* Singer, 1960f: 269, 278
HOLOTYPE: Brazil. Río de Janeiro: Angra dos Reis, 1 October 1952, *Singer B 426* (F)
- culmicola* Singer, 1989a: 66
HOLOTYPE: Ecuador. Pastaza: near road Am-bato-Puyo, 24 July 1975, *Dumont EC 1424* (NY)
- inobasis* Singer, 1960f: 263, 277
HOLOTYPE: Bolivia. Pando: Madre de Dios, Santa Teresa, 21 July 1956, *Singer B 2296* (LIL)
- lamellosa* Singer, 1960f: 265, 278
HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Car-men Pampa, 26 February 1956, *Singer B 15285* (LIL)
- longicrininita* Singer, 1976a: 286
HOLOTYPE: Colombia. Valle: Cali, Buenaven-tura, San Joaquín, 22 April 1968, *Singer B 6282* (F)
- longifimbriata* Singer, 1960f: 266, 278
HOLOTYPE: Argentina. Tucumán: Sierra de San Javier, Ciudad Universitaria towards Es-tancia San Javier, 9 January 1960, *Singer T 3520* (LIL)

longisperma Singer, 1976a: 291

HOLOTYPE: Brazil. São Paulo: Serra de Cantareira, Reserva Forestal, 17 July 1964, *Singer B 4103* (F)

lutea Singer, 1976a: 301

HOLOTYPE: Ecuador. Napo: Sacha 4 (Sacha Norte), 10 May 1973, *Singer B 7333* (F)

mycenoides Singer, 1969a: 148

HOLOTYPE: Chile. Coquimbo: Fray Jorge, 22 July 1967, *Singer M 7161* (SGO)

palmarum Singer, 1960f: 264, 277

HOLOTYPE: Bolivia. El Beni: Vaca Diez, Guayaramerín, 8 March 1956, *Singer B 1744* (LIL)

podocarpum Singer, 1976a: 294

HOLOTYPE: Argentina. Jujuy: 15 km NE of Yala, 20 February 1966, *Singer T 5300* (F)

quitensis Singer, 1976a: 299

HOLOTYPE: Ecuador. Pichincha: Quito, Quebrada de Miraflores, 24 April 1973, *Singer B 7113* (F)

religiosa Singer, 1976a: 295

HOLOTYPE: Mexico. Dto. Federal, road from San Pedro de Nexapa to the Paso de Colon, 16 July 1969, *Singer MA-10* (F)

sessilis Singer, 1976a: 303

HOLOTYPE: Ecuador. Pichincha: Quito, Quebrada de Miraflores, 24 April 1973, *Singer B 7119* (F)

spathularia Singer, 1960f: 271, 279

HOLOTYPE: Argentina. Salta: Oran, 3-4 km W of Río Blanco Bridge, North of Oran, 17 March 1955, *Singer T 2308A* (LIL)

GOMPHIDIUS

helveticus Singer, 1950d: 198

Type information: Switzerland. Vri Andermatt, August 1950, *Singer*

leptocystis Singer, 1946g: 148

Type information: Canada. Vancouver (MICH). [Published in 1948].

ochraceous ssp. *muscigenus* Singer, 1946g: 149

No type information. [Published in 1948]. This subspecies was also published in Singer, 1949a: 472.

ochraceous ssp. *muscigenus* Singer, 1949a: 472

No type information. This subspecies was also published in Singer, 1946g: 149.

rutilus ssp. *alabamensis* Earle ex Singer, 1946a: 535

subsp. novum for *Gomphidius alabamensis* Earle n. subnudum

septentrionalis Singer, 1946g: 149

No type information. [Published in 1948].

smithii Singer, 1946g: 150

No type information. [Published in 1948].

smithii var. *xanthobasis* Singer, 1946g: 150

No type information. [Published in 1948].

subroseus var. *homobasis* Singer, 1946g: 150

No type information. [Published in 1948].

vinicolor ssp. *californicus* Singer, 1946g: 149

No type information. [Published in 1948].

GOMPHUS

mamorensis Singer, 1983f: 17

HOLOTYPE: Bolivia. El Beni: Vaca Diez, Guayaramerín, 6 March 1956, *Singer B 1614* (F)

nothofagorum Singer, 1967b: 69

HOLOTYPE: Chile. Valdivia: Cordillera Pelada, 7 May 1967, *Singer & Hernández [Singer no.] M 6776* (SAM)

GRIFOLA

gargal Singer, 1969a: 381

HOLOTYPE: Chile. Valdivia: Cordillera Pelada, 15 km NE of Mirador, 6 May 1967, *Singer M 6934* (SGO)

GYMNOMYCES

alveolatus Singer & Smith, 1960h: 51

HOLOTYPE: USA. Oregon: N of Corvallis, 23 May 1929, *Zeller 6862* (NY)

cinnamomeus Singer & Smith, 1960h: 51

HOLOTYPE: USA. California: Berkeley, 7 January 1905, *Gardner s.n.* (NY)

compactus Singer & Smith, 1960h: 53

HOLOTYPE: USA. Oregon: near Sandy, 17 June 1937, *Zeller 8286* (NY)

ferruginascens Singer & Smith, 1960h: 54

HOLOTYPE: USA. Idaho: McCall, 18 August 1958, *Smith 60269* (MICH)

parksii Singer & Smith, 1960h: 55

HOLOTYPE: USA. California: near Los Gatos, no date, *Parks 477* (Z-27) (NY)

roseomaculatus Singer & Smith, 1960h: 50

HOLOTYPE: USA. California: Saratoga, March 1919, *Parks Z-19* (NY)

GYMNOPILUS

chilensis Singer, 1969a: 303

HOLOTYPE: Chile. Valdivia: Hueycolla, 4 May 1967, *Singer M 6679* (SGO)

excentriciformis Singer, 1969a: 302

HOLOTYPE: Chile. Llanquihué: 10 km N of Colaco, 9 May 1967, *Singer M 6805* (SGO)

humicola Harding ex Singer, 1961b: 76

HOLOTYPE: USA. Michigan: Cheboygan County, east shore of Burt Lake, 3 July 1953, *s.n.* (F)

- microloxus* Singer, 1978h: 64
HOLOTYPE: Ecuador. Napo: Shushufindi, 15 May 1973, *Singer B 7474* (F)
- pachycystis* Singer, 1989a: 116
HOLOTYPE: Costa Rica. Alajuela: San Ramon, August 1981, *Gómez 17916* (F)
- pratensis* Singer in Singer & Digilio, 1951e: 371
HOLOTYPE: Argentina. Salta: Campo Quijano, 23 March 1951, *Singer T 1415* (LIL). [Published in 1952].
- radicicola* Singer, 1978h: 65
HOLOTYPE: Ecuador. Napo: Lago Agrio, 9 May 1973, *Singer B 7318* (F)
- submarasmioides* Singer, 1978h: 66
HOLOTYPE: Ecuador. Tungurahua: Río Topo, 30 April 1973, *Singer B 7229* (F)

GYRODON

- adisianus* Singer, 1989a: 123
HOLOTYPE: Brazil. Amazonas: Ilha Marchantaria, 18 March 1983, *Singer and others [Singer no.] B 12434* (F)
- exiguus* Singer & Digilio, 1960i: 154
HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Río Yariza, 16 February 1956, *Singer B 1216* (LIL)
- monticola* Singer, 1957c: 256
HOLOTYPE: Argentina. Tucumán: Tafi del Valle, La Quebradita, 10 March 1950, *Singer T 928* (LIL)
- proximus* Singer, 1945b: 244
HOLOTYPE: USA. Florida: Alachua County, Devil's Millhopper, 29 June 1943, *Singer F 2425* (FH)
- proximus* f. *minor* Singer & Gómez, 1990a: 53
HOLOTYPE: Costa Rica. Puntarenas: San Vito, Wilson Botanical Garden, August 1986, *Gómez 25144* (F)
- sibiricus* Singer, 1938d: 174
Type information: USSR. Altai Mtns.: Lake Telezkoje, September, *Singer & Vasilieva* (LE?)

GYROPORUS

- phaeocyanescens* Singer & Ivory, 1983f: 37
HOLOTYPE: Belize. Augustine: Forest Station, 4 November 1976, *Ivory S/358* (F)

HEBELOMA

- gomezii* Singer, 1983f: 188
HOLOTYPE: Costa Rica. Guanacaste: Parque Nacional Santa Rosa, 25 July 1981, *Singer & Gómez [Singer no.] B 12445* (F)
- moseri* Singer, 1969a: 287
HOLOTYPE: Argentina. Neuquén: Quetrihué, 15 April 1963, *Moser s. n.* (BAFC)

HEIMIOMYCES Singer, 1942c: 127

- Type species: *Agaricus (Collybia) rheicolor* Berk. & Curt.
- brunneipes* Singer in Singer & Digilio, 1951e: 242
HOLOTYPE: Argentina. Tucumán: Las Lenguas, 20 February 1951, *Singer T 1309* (LIL). [Published in 1952].
- pruinatipes* Singer in Singer & Digilio, 1951e: 243
HOLOTYPE: Argentina. Tucumán: Río de los Sosas, 27 January 1951, *Singer T 1129* (LIL). [Published in 1952].

HEMIMYCENA

- amazonica* Singer, 1989a: 67
HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 3 April 1978, *Singer B 10887* (INPA)
- angusta* Singer, 1961b: 60
HOLOTYPE: Bolivia. La Paz: Nor-Yungas, 28 January 1956, *Singer B 631* (LIL)
- crispuliformis* Singer, 1973d: 35
HOLOTYPE: Colombia. Valle: Cali, Buenaventura, 20 April 1968, *Singer B 6263* (F)
- depauperata* Singer, 1943a: 122
Type information: USSR. Altai Mtns. Central, July-August.
- diplocystis* Singer, 1989a: 68
HOLOTYPE: Brazil. Amazonas: Road Manaus-Caracará, km 45, 10 August 1978, *Singer B 11365* (INPA)
- drepanocladi* Singer, 1943a: 123
Type information: USSR. Altai Mtns. Central.
- epibiotica* Singer, 1961b: 61
HOLOTYPE: Bolivia. La Paz: Nor-Yungas, 13 February 1956, *Singer B 1146* (LIL)
- epibrya* Singer, 1943a: 121
Type information: USSR. Altai Mtns. Central, August.
- guanacastensis* Singer, 1989a: 68
HOLOTYPE: Costa Rica. Guanacaste: Parque Nacional Santa Rosa, 25 July 1981, *Singer B 12464* (F)
- herreræ* Singer, 1973d: 36
HOLOTYPE: Mexico. Dto. Federal, near San Pedro, 16 July 1969, *Singer & Herrera s.n.* (F)
- longicystis* Singer, 1961b: 61
HOLOTYPE: Bolivia. La Paz: Nor-Yungas, 30 January 1956, *Singer B 707* (LIL)
- nothofagi* Singer, 1969a: 105
HOLOTYPE: Argentina. Río Negro: Laguna Frías, 21 March 1963, *Singer M 3104* (BAFC)
- patagonica* Singer, 1969a: 106
HOLOTYPE: Chile. Santiago: Cerro Robles, 19 June 1967, *Singer M 6988* (SGO)

pleurotiformis Singer, 1989a: 69

HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 3 June 1977, *Singer B 9911* (INPA)

pseudoconidiophora Singer, 1938a: 196

Type information: USSR. Altai Mtns.: Kurai, July, *Singer & Vasilieva* (LE?)

subtropicalis Singer, 1959b: 381

HOLOTYPE: Argentina. Tucumán: Tafí del Valle, Parque Aconquija, 17 February 1955, *Singer T 2185* (LIL)

truncicola Singer, 1961b: 62

HOLOTYPE: Argentina. Tucumán: Sierra de San Javier, 12 January 1957, *Singer T 2872* (LIL)

HERICIUM

caucasicum Singer, 1929b: 77

Type information: USSR. Caucasus.

HIATULA

melanoloma Singer, 1938e: 12

Type information: USSR. Leningrad, 1935, *Vasilieva* (LE?)

HIATULOPSIS Singer & Grinling, 1967c: 364

Type species: *Lepiota amara* Beeli

aureoflava Singer, 1989a: 98

HOLOTYPE: Brazil. Amazonas: Road Manaus-Caracará, km 45, 28 February 1978, *Singer B 10733* (INPA)

HOHENBUEHELIA

abietina Singer & Kuthan, 1980a: 61

HOLOTYPE: Czechoslovakia. Moravia: Beskydy, Nature preserve Salajka near Bila., 21 July 1974, *Kuthan & Singer [Singer no.] C 5626* (F)

amazonica Singer, 1989a: 38

HOLOTYPE: Brazil. Amazonas: Manaus, 27 May 1977, *Singer B 9727* (F)

bullulifera Singer in Singer & Digilio, 1951e: 119

HOLOTYPE: Argentina. Tucumán: Río de los Sosas, 27 January 1951, *Singer T 1136a* (LIL). [Published in 1952].

calongei Singer, 1973d: 30

HOLOTYPE: Colombia. Valle: Dagua, 14 April 1968, *Singer B 6116a* (F)

campinaranae Singer, 1989a: 38

HOLOTYPE: Brazil. Amazonas: Road Manaus-Caracará, km 125, 20 July 1978, *Singer B 11327* (INPA)

culmicola Singer, 1989a: 39

HOLOTYPE: Colombia. Cundinamarca: Salto de Tequendama, 25 July 1960, *Singer B 3503d* (BAFC)

delasotae Singer, 1989a: 39

HOLOTYPE: Argentina. Tucumán: Quebrada de los Sosas, 18 December 1948, *Singer & Digilio [Singer no.] T 16* (LIL). Deposited as *H. angustata* (Berk.) Singer, see Singer & Digilio, Lilloa 25: 110. 1953.

dimorphocystis Singer ex. Singer, 1969a: 63

HOLOTYPE: Chile. Valdivia: Cordillera Pelada, 4 May 1967, *Singer M 6880* (SGO)

espeletiae Singer, 1989a: 40

HOLOTYPE: Colombia. Tolima: Santa Isabel, Valle Río Totarito, 6 February 1980, *Boekhout 589* (MEDEL)

hydrogeton Singer, 1989a: 40

HOLOTYPE: Brazil. Amazonas: Ilha Marchantaria, 1 July 1981, *Singer B 12213* (F)

izonetae Singer, 1989a: 41

HOLOTYPE: Brazil. Amazonas: Igarap do Tarumãzinho, 13 March 1983, *Singer B 12424* (F)

nigra var. *microspora* Singer, 1955a: 769

HOLOTYPE: Panama. Zona Canalis: Corund, 13 August 1952, *Martin & Welden 8353* (F, 1A)

patagonica Singer ex. Singer, 1969a: 61

HOLOTYPE: Argentina. Neuquén: Nahuel Huapi National Park, between Laguna Frías and Paso Perez Rosales, 4 May 1961, *Gamundi* (BAFC)

pergelatinosa Singer, 1978h: 19, 21

HOLOTYPE: Ecuador. Napo: Lago Agrio, 8 May 1973, *Singer B 6116* (F)

pyncophylli Singer, 1955a: 770

HOLOTYPE: Argentina. Jujuy: Tilcara, 23 February 1953, *Sleumer* (F)

recedens Singer & Kuthan, 1980a: 66

HOLOTYPE: Mexico. Dto. Federal: between San Pedro de Nexapa and Paso de Corté, 16 July 1969, *Singer MA 0013* (F)

spegazzinii Singer ex. Singer, 1969a: 58

HOLOTYPE: Argentina. Neuquén: Nahuel Huapi National Park, above Puerto Manzano, 11 April 1963, *Singer M 3378* (BAFC). Invalidly published in Sydowia 8: 117. 1954.

tropicalis Singer, 1989a: 42

HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 3 April 1978, *Singer B 10897* (INPA)

HYBOGASTER Singer, 1964a: 13

Type species: *Hybogaster giganteus* Singer

giganteus Singer, 1964a: 13

HOLOTYPE: Chile. Valdivia: Cordillera Pelada, Chivería, between Unión and Mirador, 29 March 1963, *Singer M 3229* (BAFC)

HYDROPUS

africanus Singer, 1946g: 127

HOLOTYPE: Liberia. Du River, Firestone No. 3, 27 July 1926, *Linder 130* (FH). [Published in 1948].

albopubescens Singer, 1982e: 63

HOLOTYPE: Brazil. Amazonas: Road Manaus-Caracará, at Estacao Experimental de Silvicultura Tropical, 11 July 1977, *Singer B 10085* (F)

albus Singer, 1978h: 39

HOLOTYPE: Ecuador. Napo: Lago Agrio, 9 May 1973, *Singer B 7330* (F)

altus Singer, 1982e: 74

HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 10 October 1977, *Singer B 10190* (F)

amazonicus Singer, 1973d: 49

HOLOTYPE: Bolivia. El Beni: Vaca Diez, 7 March 1956, *Singer B 1639* (BAFC)

angustispermus Singer, 1982e: 59

HOLOTYPE: Bolivia. Pando: Madre de Dios, Las Piedras, 5 April 1956, *Singer B 2515* (F)

beniensis Singer, 1982e: 17

HOLOTYPE: Bolivia. El Beni: Vaca Diez, Guayaramerín, 12 March 1956, *Singer B 1910* (LIL)

bisporus Singer, 1982e: 96

HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 3 June 1977, *Singer B 9909* (INPA)

bolivianus Singer, 1973d: 50

HOLOTYPE: Bolivia. La Paz: Nor-Yungas, 1 February 1956, *Singer B 802* (BAFC)

brunneobasis Singer, 1978h: 33

HOLOTYPE: Ecuador. Napo: Shushufindi, 13 May 1973, *Singer B 7381* (F)

caespitosus Singer, 1982e: 32

HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 6 April 1977, *Singer B 9625* (INPA)

californicus Singer, 1989a: 85

HOLOTYPE: USA. California: Marin County, 19 November 1981, *Calhoun 81-2590* (F)

camaragibensis Singer, 1973d: 51

HOLOTYPE: Brazil. Pernambuco: Camaragibe, 7 July 1960, *Singer B 3298* (BAFC)

campinaranae var. *adnatifolius* Singer, 1982e: 89

HOLOTYPE: Brazil. Amazonas: Road Manaus-Caracará, 21 March 1980, *Singer B 12058* (F)

campinaranae var. *campinaranae* Singer, 1982e: 88

HOLOTYPE: Brazil. Amazonas: Road Manaus-Caracará, 21 March 1980, *Singer B 12056* (F)

cavipes var. *murinialbus* Singer, 1982e: 45

HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 6 July 1977, *Singer B 10045* (INPA)

chiriquiensis Singer, 1982e: 68

HOLOTYPE: Panama. Chiriquí: Cerro Respingo, 6 km NW of Cerro Punta, 2 July 1975, *Dumont and others PA-1805* (NY)

chlorinodorus Singer, 1982e: 25

HOLOTYPE: Brazil. Amazonas: Mata Ducke, N of Manaus, 1 November 1977, *Freire [Singer no.] B 10254* (F)

citrinus Singer, 1978h: 34

HOLOTYPE: Ecuador. Napo: Lago Agrio, 16 May 1973, *Singer B 7492* (F)

confertifolius Singer, 1982e: 50

HOLOTYPE: Brazil. Amazonas: Road Manaus-Caracará, 23 July 1978, *Singer B 11338* (INPA)

corneri Singer, 1982e: 86

HOLOTYPE: Brazil. Amazonas: 25 km N of Manaus, Reserva Ducke, 28 June 1978, *Singer B 11251* (INPA)

cystidiosus Singer, 1989a: 86

HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 13 July 1977, *Singer B 10089* (INPA)

decepiens Singer, 1982e: 115

HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 13 July 1977, *Singer B 10094* (INPA)

depauperatus Singer, 1973d: 51

HOLOTYPE: Brazil. Pará: Belem, 10 June 1966, *Singer B 4263* (BAFC)

dissiliens Singer, 1982e: 73

HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 9 February 1978, *Singer B 10652* (INPA)

dubius Singer, 1982e: 58

HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 30 September 1977, *Singer B 10153* (F)

dusenii ssp. *nivifugus* Singer, 1973d: 52

HOLOTYPE: Argentina. Buenos Aires: near La Plata, Punta Lara, May 1966, *Singer S 734* (BAFC)

eitenianus Singer, 1973d: 52

HOLOTYPE: Brazil. Amazonas, Manaus, no date, *Eiten and others 5205* (NY)

etenianus var. *obscurus* Singer, 1982e: 105

HOLOTYPE: Brazil. Amazonas: near Punta Negra, left side of Río Negro, 15 January 1978, *M. & R. Singer [Singer no.] B 10529* (INPA)

excentricus Singer, 1982e: 49

HOLOTYPE: Bolivia. El Beni: Vaca Diez, Ivon, 3 April 1956, *Singer B 2449* (F)

fimbriatus Singer, 1982e: 81

HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 18 May 1977, *Singer B 9661* (INPA)

fluvialis var. *aporpus* Singer, 1982e: 34

HOLOTYPE: Brazil. Amazonas: Road Manaus-Caracará, 5 May 1980, *Singer B 12134-12134a* (F)

fluvialis var. *fluvialis* Singer, 1982e: 33

HOLOTYPE: Brazil. Amazonas: Igarap do Tarumãzinho, 19 March 1980, *Singer B 12047* (F)

fragilior Singer, 1982e: 67

HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 18 May 1977, *Singer B 9677* (INPA)

fraterniger Singer, 1946f: 227

HOLOTYPE: USA. Florida: Highlands County, Highlands Hammock State Park, *Singer F 643* (FH)

fuscoalbus Singer, 1982e: 91

HOLOTYPE: Brazil. Amazonas: Road Manaus-Caracará, 30 December 1977, *Singer B 10379* (INPA)

fuscogriseus Singer, 1989a: 86

HOLOTYPE: Brazil. Amazonas: Road Manaus-Caracará, km 110, 4 April 1978, *Singer B 10925* (INPA)

fuscomyelinus Singer, 1982e: 112

HOLOTYPE: Argentina. Jujuy: Lagunas de Yala, 10 February 1965, *Singer T 3941* (F)

gerronematoides Singer, 1969a: 143

HOLOTYPE: Chile. Valdivia: Hueycolla, 1/4 May 1967, *Singer M 6688* (SGO)

glabripes Singer, 1969a: 144

HOLOTYPE: Chile. Valparaíso: near Quintero, 27 June 1967, *Singer & Lazo M 7011/QUI-5* (SGO)

gomezii Singer, 1982e: 119

HOLOTYPE: Costa Rica. Guanacaste: Parque Nacional Santa Rosa, 25 July 1981, *Singer B 12472* (F)

gracilis Singer, 1982e: 117

HOLOTYPE: Brazil. Amazonas: Irapap do Tarumãzinho, 26 March 1980, *Singer B 12079* (F)

guaporensis Singer, 1982e: 106

HOLOTYPE: Brazil. Rondônia: Guajará mirim, 10 March 1956, *Singer B 1786* (F)

heterocystis Singer, 1973d: 53

HOLOTYPE: Argentina. Catamarca, 2 March 1952, *Singer T 1914* (MICH, LIL)

humilior Singer, 1982e: 83

HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 31 October 1977, *Singer B 10245* (F)

hydrophoroides Singer, 1982e: 71

HOLOTYPE: Colombia. Valle: Cali, Buenaventura, Calima, 18 April 1968, *Singer B 6204* (F)

hygrophilus Singer, 1973d: 54

HOLOTYPE: Colombia. Valle: Anchicayá, 26 April 1968, *Singer B 6396* (F)

hyperythrus Singer, 1982e: 75

HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 18 May 1977, *Singer B 9657* (F)

hypopolius Singer, 1982e: 64

HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 11 May 1977, *Singer B 9859* (INPA)

immutabilis Singer, 1982e: 102

HOLOTYPE: Brazil. Amazonas: Road Manaus-Caracará, 20 December 1977, *Singer B 10374* (INPA)

indicus Singer, 1989a: 87

HOLOTYPE: India. Punjab: near Patiala, no date, *Saini 19* (F)

lacuster Singer, 1978h: 36

HOLOTYPE: Ecuador. Napo: Lago Agrio, 17 May 1973, *Singer 7532* (F)

lacuster var. *riparius* Singer, 1982e: 79

HOLOTYPE: Brazil. Amazonas: Igarap do Tarumãzinho, 16 April 1980, *Singer B 12103* (F)

levis Singer, 1982e: 72

HOLOTYPE: Brazil. Amazonas: Manaus, 22 December 1977, *Araujo [Singer no.] B 10388* (INPA)

lipocystis Singer, 1969a: 141

HOLOTYPE: Argentina. Neuquén: Nahuel Huapí National Park, Arroyo Frutillas, 9 April 1963, *Singer M 3349* (BAFC)

lipocystis var. *bisporis* Singer, 1969a: 142

HOLOTYPE: Argentina. Río Negro: Nahuel Huapí National Park, near Santa María, 30 April 1964, *Singer M 3705* (BAFC)

lutescentipes Singer, 1982e: 35

HOLOTYPE: Brazil. Amazonas: Reserva Ducke, 25 km N of Manaus, 7 January 1979, *Singer B 11478* (INPA)

maculatipes Singer, 1982e: 82

HOLOTYPE: Brazil. Amazonas: Road Manaus-Caracará, 10 August 1978, *Singer B 11362* (INPA)

marasmiioides Singer, 1973d: 54

HOLOTYPE: Colombia. Boyacá: between Ramiriquí and Rondón, 30 July 1960, *Singer B 3628* (BAFC)

martensii Singer, 1989a: 87

HOLOTYPE: China. Yunnan: Mt. Yun Shan, no date, *Handel Mazzetti 11.207* (WU)

megalobasidium Singer, 1982e: 83

HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 23 June 1977, *Singer B 10013* (F)

mesites Singer, 1982e: 98

HOLOTYPE: Brazil. Pernambuco: Dois Irmãos, 14 April 1964, *Singer B 4079a* (F)

microcephalus Singer, 1982e: 80

HOLOTYPE: Brazil. Amazonas: Road Manaus-Caracará, 28 February 1978, *Singer B 10718* (INPA)

microsporus Singer, 1969a: 142

HOLOTYPE: Argentina. Neuquén: Lago Correntoso, 16 April 1965, *Singer M 5011* (BAFC)

montanus Singer, 1982e: 103

HOLOTYPE: Argentina. Tucumán: Tafí del Valle, Quebrada del Mastil, 17 February 1965, *Singer T 4082* (F)

mutabilis Singer, 1978h: 36

HOLOTYPE: Brazil. Guajará mirim, 10 March 1956, *Singer B 1781* (F)

mycenoides var. *minor* Singer, 1982e: 100

HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 3 April 1978, *Singer B 10880* (INPA)

mycenoides var. *pusillus* Singer, 1982e: 100

HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 9 February 1978, *Singer B 10637* (INPA)

nanus Singer, 1982e: 42

HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 17 May 1977, *Singer B 9642* (INPA)

nigromarginatus Singer, 1982e: 60

HOLOTYPE: Brazil. Amazonas: Road Manaus-Caracará, 21 March 1980, *Singer B 12063* (F)

occidentalis Singer, 1982e: 100

HOLOTYPE: Colombia. Valle: Cali, Buenaventura, Calima, 18 April 1968, *Singer B 6217* (F)

omphaliniformis Singer, 1973d: 55

HOLOTYPE: Colombia. Valle: Cali, Buenaventura, 19 April 1968, *Singer B 6240* (F)

papillatus Singer, 1973d: 56

HOLOTYPE: USA. Florida: Alachua County, 20 July 1943, *Singer F 2857* (F)

phyllogenus var. *bahiensis* Singer, 1982e: 93

HOLOTYPE: Brazil. Bahia: Itabuna, 5 June 1978, *Singer B 11085* (INPA)

phyllogenus var. *phyllogenus* Singer, 1982e: 92

HOLOTYPE: Brazil. Amazonas: Manaus, 7 February 1978, *Singer B 10609* (INPA)

pinetorum Singer, 1973d: 57

HOLOTYPE: USA. Florida: Miami, 26 October 1942, *Singer F 1290* (F)

platensis Singer, 1973d: 58

HOLOTYPE: Argentina. Buenos Aires: Punta Lara, 1 May 1966, *Singer S 741* (BAFC)

platycystis Singer, 1982e: 69

HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 20 October 1977, *Singer B 10230* (INPA)

pyxidatoides Singer, 1969a: 140

HOLOTYPE: Chile. Valdivia: Cordillera Pelada, 7 May 1965, *Singer M 5596* (BAFC)

recedens Singer, 1982e: 116

HOLOTYPE: Argentina. Tucumán: near Potrerillos, 10 February 1952, *Singer T 1819* (F)

riograndensis Singer, 1953d: 122

HOLOTYPE: Brazil. Rio Grande do Sul: Parecí, 2 November 1951, *Singer B 68* (LIL)

rionegrensis Singer, 1982e: 70

HOLOTYPE: Brazil. Amazonas: Manaus, 11 October 1977, *Singer B 10202* (F)

sabalis Singer, 1946c: 119

Type information: USA. Florida.

semimarginellus Singer, 1973d: 59

HOLOTYPE: Brazil. Pará: Belem, 10 June 1966, *Singer B 4251* (BAFC)

stenocystis Singer, 1978h: 38

HOLOTYPE: Ecuador. Tungurahua, steep mountainside S of Banos, 29 April 1973, *Singer M 7181* (F)

subcartilagineus var. *aquosus* Singer, 1982e: 31

HOLOTYPE: Brazil. Amazonas: Road Manaus-Caracará, 20 December 1977, *Singer B 10369* (INPA)

subcartilagineus var. *bisporiger* Singer, 1982e: 29

HOLOTYPE: Argentina. Buenos Aires: Santa Catalina, 19 March 1966, *Singer S 638* (BAFC)

subcartilagineus var. *napoensis* Singer, 1982e: 30

HOLOTYPE: Ecuador. Napo: Shushufindi, 15 May 1973, *Singer B 7470* (F)

terraefirmae Singer, 1982e: 90

HOLOTYPE: Brazil. Amazonas: 25 km N of Manaus, Reserva Ducke, 6 October 1978, *Freire [Singer no.] B 11399* (INPA)

tucumanus Singer, 1982e: 18

HOLOTYPE: Argentina. Tucumán: Chicligasta, Río Cochuna, 11 February 1952, *Singer T 1823* (LIL)

veraecrucis Singer, 1973d: 59

HOLOTYPE: Mexico. Veracruz: near Montepío, 21 June 1969, *Singer M 8102* (F)

viscidulus Singer, 1969a: 145

HOLOTYPE: Chile. Valdivia: Hueycolla, 4 May 1967, *Singer M 6703* (SGO)

xanthosarx Singer & Grinling, 1967c: 362

HOLOTYPE: Zaire. Brazzaville: Fl. Djoué, March 1965, *Grinling 50,313* (BAFC)

xerophilus Singer, 1973d: 60

HOLOTYPE: Argentina. Salta: Gemes, 7 February 1957, *Singer T 2971* (BAFC)

xuthophyllus Singer, 1973d: 61

HOLOTYPE: Argentina. Tucumán: Burrucayá, 19 February 1957, *Singer T 2991* (LIL, BAFC)

HYGROASTER Singer, 1955f: 370

Type species: *Hygrophorus nodulisporus* Den-nis

albellus Singer, 1989a: 6

HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 3 April 1978, *Singer & Araujo [Singer no.] B 10874* (INPA)

HYGROCYBE

amazoniensis Singer, 1989a: 3

HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 13 July 1977, *Singer B 10097* (INPA)

ammophila Singer, 1968a: 129

HOLOTYPE: Uruguay. Punta del Este, 5 June 1965, *Eskuche [Singer no.] B 4138* (BAFC)

araucana Singer, 1969a: 11

HOLOTYPE: Chile. Valdivia: Cordillera Pelada, Mirador, 5 May 1965, *Singer M 5516* (BAFC)

batistae Singer, 1965e: 20

HOLOTYPE: Brazil. Pernambuco: Recife, no date, *da Silva & Batista s.n.* (LIL)

blestiana Singer, 1969a: 18

HOLOTYPE: Argentina. Río Negro: Nahuel Huapí National Park, Brazo Blest, 23 March 1963, *Singer M 3139* (SGO)

campinaranae Singer, 1989a: 4

HOLOTYPE: Brazil. Amazonas: Road Manaus-Caracará, 22 May 1978, *Singer B 11022* (INPA)

chilensis Singer, 1969a: 18

HOLOTYPE: Chile. Llanquihué: Puella, 20 March 1959, *Singer M 1916* (SGO)

hololeuca Singer, 1989a: 4

HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 17 May 1977, *Singer B 9639* (INPA)

lactarioides Singer, 1989a: 5

HOLOTYPE: Bolivia. El Beni: Guayaramerín, 16 March 1956, *Singer B 2012* (LIL)

lateritoriosella Singer, 1969a: 19

HOLOTYPE: Chile. Colchagua: Pumanque, *Lazo PU-54* (SGO)

megistospora Singer, 1989a: 5

HOLOTYPE: Brazil. Goiás: Aguas Emendadas Res., 21 January 1978, *Singer B 10560* (INPA)

mexicana Singer, 1958d: 225

HOLOTYPE: Mexico. Oaxaca: Huautla de Jiménez, 12 July 1957, *Singer M 1531* (LIL)

mutabilis Singer, 1989a: 5

HOLOTYPE: Brazil. Amazonas: Laguna Januaryuari, 21 December 1978, *Singer B 11465* (INPA)

octayensis Singer, 1969a: 15

HOLOTYPE: Chile. Osorno: Puerto Octay, 15 September 1967, *Singer M 7538* (SGO)

paraibensis Singer, 1965e: 19

HOLOTYPE: Brazil. Paraíba: João Pessoa, 11 July 1960, *Singer B 3320* (LIL)

proteus Singer, 1969a: 14

HOLOTYPE: Chile. Valdivia: Cordillera Pelada, Mirador, 30 April 1967, *Singer M 6560* (SGO)

pseudoamylospora Singer, 1989a: 6

HOLOTYPE: Ecuador. Tungurahua: Río Topo, 30 April 1973, *Singer B 7190* (F)

rhodoleuca Singer, 1973d: 6

HOLOTYPE: Brazil. Paraíba: João Pessoa, 11 July 1960, *Singer B 3345* (LIL, BAFC)

rubroflava Singer, 1973d: 6

HOLOTYPE: Colombia. Valle: Cali, Buenaventura, 22 April 1968, *Singer B 6276* (F)

streptopus Singer & Kuthan, 1976g: 7

HOLOTYPE: Czechoslovakia. Slovakia: Cadca, Raková, 27 July 1974, *Kuthan & Singer [Singer no.] C 5652* (F)

striatella Singer, 1969a: 20

HOLOTYPE: Chile. Valdivia: Hueycolla, 4 May 1967, *Singer M 6732* (SGO)

subheteromorpha Singer, 1969a: 12

HOLOTYPE: Chile. Concepcion: Boca del Bio-Bio, 17 November 1967, *Singer M 7818* (SGO)

swanetica Singer, 1931: 522

Type information: USSR. Caucasus: Khä.

transformabilis Singer, 1973d: 5

HOLOTYPE: Argentina. Tucumán: Sierra de San Javier, 20 December 1958, *Singer T 3149* (F)

veselskyi Singer & Kuthan, 1976g: 9

HOLOTYPE: Czechoslovakia. Moravia: Ostrava, Halde Lucina, 19 July 1974, *Kuthan, Singer & Veselsky [Singer no.] C 5575* (F)

HYGROPHOROPSIS

aurantiaca var *nana* Singer, 1946a: 546

HOLOTYPE: USA. Florida: Highlands County, Highlands Hammock State Park, September 1942, *Singer F 640* (FH)

panamensis Singer, 1983f: 28

HOLOTYPE: Panama. Chiriquí: near Aguacate, about 7 km NE of El Hato del Volcán, Cerro Punta Road, 4 July 1975, *Dumont & Carpenter [Dumont no.] P 2170* (NY)

tapinia Singer, 1946a: 544

Type information: USA. Florida: Dade County, Miami, Simpson Park (FH)

HYGROPHORUS

quercuum Singer, 1973d: 1

HOLOTYPE: Colombia. Boyacá: Bosque de La Mercedes, 8 April 1968, *Singer B 6020* (F)

HYGROTRAMA Singer, 1958d: 221

Type species: *Hygrotrama dennisianum* Singer

albipes Singer, 1973d: 4

HOLOTYPE: Mexico. Veracruz, 7 km S of Montepio, Estación Biológica de las Tuxtlas, 29 July 1969, *Singer M 8734* (F)

araguense Singer, 1989a: 2

HOLOTYPE: Venezuela. Aragua: Parque Nacional Henry Pittier, 6 July 1971, *Dumont, Haines & Samuels s.n.* (NY)

dennisianum Singer, 1958d: 221

HOLOTYPE: Mexico. Oaxaca: Huautla de Jiménez, 13 July 1957, *Singer M 1553* (LIL)

leucopus Singer, 1973d: 3

HOLOTYPE: Brazil. Paraíba: João Pessoa, 11 June 1960, *Singer B 3344* (BAFC)

tetrasporum Singer, 1989a: 3

HOLOTYPE: Brazil. Amazonas: Roads Manaus-Caracará, km 45, 28 February 1978, *Singer & Araujo B 10714* (INPA)

HYMENOGASTER

pulcher Singer, 1969a: 372

HOLOTYPE: Argentina. Neuquén: Lago Correntoso, 20 April 1965, *Singer M 5083* (BAFC)

HYPsizYGUS Singer, 1947b: 77

Type species: *Pleurotus tessulatus* (Bull.: Fr.) Gill.

INOCYBE

amazoniensis Singer & Araujo, 1983f: 182

HOLOTYPE: Brazil. Amazonas: Road Manaus-Caracará, km 125, 21 May 1978, *Singer & Araujo [Singer no.] B 11019* (INPA)

argentea Singer, 1931: 535

Type information: USSR. Caucasus: Nakratal.

bridgesiana Singer, 1953a: 227

HOLOTYPE: Argentina. Tierra del Fuego: Río Grande, Estancia Nueva Argentina, 11 February 1950, *Singer M 201* (LIL)

brunnea f. *insignior* Singer, 1947c: 245

Type information: Spain. Catalonia. Salardú, September, 1934.

carelica Singer, 1938e: 16

Type information: USSR. 26 August 1936, *Freindling & Singer* (LE?)

catalaunica Singer, 1947c: 245

Type information: Spain. Catalonia, Base de Baricauba, September, 1934 (LE).

caucasica Singer, 1937: 236

Type information: USSR. Western Caucasus: Yatyrgarta, between Carices and Hypna, 30 July 1936, *Vasilieva* (LE?)

cerasphora Singer, 1953a: 228

HOLOTYPE: Argentina. Tierra del Fuego: Río Grande, Estancia Nueva Argentina, 15 February 1950, *Singer M 290* (LIL)

chilensis Singer, 1965i: 175

HOLOTYPE: Chile. Valdivia: Cordillera Pelada, 28 March 1963, *Singer M 3196* (BAFC)

dilutecinnamomea Singer, 1954b: 127

HOLOTYPE: Argentina. Neuquén: Nahuel Huapí National Park, Puerto Manzano, 18 May 1952, *Singer M 750a* (LIL). Cited with another specimen, type not indicated.

dissocystis Singer, 1953a: 231

HOLOTYPE: Argentina. Tierra del Fuego: Río Grande, Estancia Nueva Argentina, 10 February 1950, *Singer M 159* (LIL)

erythrobasis Singer, 1954b: 127, 128

HOLOTYPE: Argentina. Neuquén: Nahuel Huapí National Park, Puerto Manzano, 18 May 1952, *Singer M 748?* (LIL)

eutheles var. *dollfusii* Singer, 1938e: 16

Type information: USSR. (LE?)

fuscata Singer, 1953a: 236

HOLOTYPE: Argentina. Tierra del Fuego: Río Grande, Estancia Nueva Argentina, 13 February 1950, *Singer M 249* (LIL)

fuscocinnamomea Singer, 1953a: 233

HOLOTYPE: Argentina. Tierra del Fuego: Río Grande, Estancia Nueva Argentina, 16 February 1950, *Singer M 306* (LIL)

geophyllomorphia Singer, 1953a: 229

HOLOTYPE: Argentina. Tierra del Fuego: Río Grande, Estancia Nueva Argentina, 14 February 1950, *Singer M 272* (LIL)

gigacystis Singer, 1953a: 231

HOLOTYPE: Argentina. Tierra del Fuego: Río Grande, Estancia Nueva Argentina, 10 February 1950, *Singer M 167* (LIL)

homomorpha Singer, 1931: 536

Type information: USSR. Caucasus: Khä.

langei var. *maior* Singer, 1936i: 432

Type information: Spain. Catalonia.

lutescens Singer, 1953a: 223

HOLOTYPE: Argentina. Tierra del Fuego: Río Grande, Estancia Nueva Argentina, 10 February 1950, *Singer M 160* (LIL)

matrisdei Singer, 1961a: 112, 113

HOLOTYPE: Bolivia. Pando: Manuripi, 27 March 1956, *Singer B 2285* (LIL)

mixtiliformis Singer, 1954b: 129

HOLOTYPE: Argentina. Neuquén: Nahuel Huapí National Park, Quettrihué, 13 May 1952, *Singer M 523* (LIL)

neotropalis Singer, 1983f: 186

HOLOTYPE: Costa Rica. Guanacaste: Parque Nacional Santa Rosa, 25 July 1981, *Singer B 12441* (F)

neuquenensis Singer, 1954b: 130

HOLOTYPE: Argentina. Neuquén: Nahuel Huapí National Park, Quettrihué, 20 May 1952, *Singer M 781* (LIL)

notodryina Singer, 1983f: 175

HOLOTYPE: Costa Rica. Guanacaste: Parque Nacional Santa Rosa, 25 July 1981, *Gómez & Singer [Singer no.] B 12446* (F)

obscura var. *subpusio* Singer, 1947c: 232, 233
Type information: Spain. Catalonia. Riu de Bon-
aigua, July 1934.

paucigibba Singer, 1965i: 176
HOLOTYPE: Chile. Valdivia: Cordillera Pelada,
28 March 1963, *Singer M* 3200 (BAFC)

plocamophora Singer, 1983f: 177
HOLOTYPE: Costa Rica. Guanacaste: Parque
Nacional Santa Rosa, 25 July 1981, Gómez &
Singer [Singer no.] B 12451 (F)

pseudohiulca ssp. *subduriuscula* Singer, 1947c:
232
Type information: Spain. Catalonia: Pyrenees
Mtns., Salardú, August, 1934.

retipes Singer, 1953a: 225
HOLOTYPE: Argentina. Tierra del Fuego: Lago
Fagnano, Cabecera del Lago, 19 February
1950, *Singer M* 380 (LIL)

squarrosoamthystina Singer, 1938e: 17
Type information: USSR. Leningrad, December
1935, *Singer* (LE?)

subargentea Singer, 1938e: 16
Type information: USSR. Leningrad, September
1936, *Singer* (LE?)

subfibrosoides Singer, 1953a: 234
HOLOTYPE: Argentina. Tierra del Fuego: Río
Grande, Estancia Nueva Argentina, 15 Feb-
ruary 1950, *Singer M* 291 (LIL)

subfuscocinnamomea Singer, 1954b: 131
HOLOTYPE: Argentina. Neuquén: Nahuel Hua-
pí National Park, Quetrichué, 16 May 1952,
Singer M 663 (LIL)

subgeophyllumorpha Singer, 1954b: 132
HOLOTYPE: Argentina. Neuquén: Nahuel Hua-
pí National Park, Quetrichué, 19 May 1952,
Singer M 764 (LIL)

subgigacystis Singer, 1954b: 133
HOLOTYPE: Argentina. Neuquén: Nahuel Hua-
pí National Park, Quetrichué, 16 May 1952,
Singer M 676 (LIL)

tequendamae Singer, 1963b: 244
HOLOTYPE: Colombia. Cundinamarca: Salto
de Tequendama, 23 July 1960, *Singer B* 3500
(BAFC)

IXOCOMUS

jacuticus Singer, 1938c: 40
Type information: USSR. Siberia: Lake Char-
czarbyt Yacotia, Benois, August 1925, 26
(LE?)

sibiricus Singer, 1938c: 46
Type information: USSR. Altai Mtns.: Lake Te-
lezkoje, July-September 1937, *Singer & Vasi-
lieva* (LE?)

KROMBHOLZIA

oxydabilis Singer, 1938g: 18
No type information.

rotundifoliae Singer, 1938g: 18
No type information.

KUEHNEROMYCES Singer & Smith, 1946d: 504

Type species: *Pholiota mutabilis* Schaeff. : Fr.

castaneiceps Singer, 1969a: 281
HOLOTYPE: Chile. Valdivia: Hueycolla, 4 May
1967, *Singer M* 6715 (SGO)

cystidiosus Singer, 1953a: 221
HOLOTYPE: Argentina. Tierra del Fuego: Río
Grande, Estancia Nueva Argentina, 14 Feb-
ruary 1950, *Singer M* 276 (LIL)

depauperatus Singer & Smith, 1946d: 513
HOLOTYPE: USA. Florida: Alachua County,
Devil's Millhopper, 25 July 1943, *Singer F*
2992 (FH)

macrosporus Singer, 1953a: 220
HOLOTYPE: Argentina. Tierra del Fuego: Río
Grande, Estancia Nueva Argentina, 16 Feb-
ruary 1950, *Singer M* 310 (LIL)

nudus Singer, 1950c: 194
HOLOTYPE: Argentina. Tucumán: Sierra de
San Javier, Park Aconquija, 12 March 1949,
Singer T 207 (LIL)

rostratus Singer & Smith, 1946d: 510
HOLOTYPE: USA. Michigan: Milford, *Smith*
15002 (MICH)

vernalis f. *amara* Singer & Smith, 1946d: 520
HOLOTYPE: USA. Wyoming: Little Brooklyn
Lake, *Arenberg* 68 (FH?)

LACCARIA

altaica Singer ex Singer, 1967d: 122
HOLOTYPE: USSR. Altai Mtns., 31 July 1936,
Singer A 439 (LE)

bullulifera Singer, 1965i: 149
HOLOTYPE: Mexico. Puebla: Popocatepetl: Pi-
neto, W of Paso de Cort, 21 July 1957, *Singer*
M 1581 (MICH). Also see 1957a: 355.

calospora Singer, 1973d: 7
HOLOTYPE: USA. Massachusetts: Hampden
County, Southwick, 21 June 1945, *Waban*
(FH)

galerinoides Singer, 1965i: 147
HOLOTYPE: Chile. Valdivia: Cordillera Pelada,
28 March 1963, *Singer M* 3212 (BAFC)

gomezii Mueller & Singer, 1988g: 224
HOLOTYPE: Costa Rica. San José: La Chonta,
along Interamerican Hwy, km 55, September
1982, Gómez 18443 (F 1051926)

laccata var. *affinis* Singer, 1967d: 110
HOLOTYPE: England. Kent: Bedgebury, 30
October 1960, *Singer C* 3118 (BAFC)

- laccata* var. *anglica* Singer, 1967d: 111
HOLOTYPE: England. Kent: Bedgebury, 20 October 1960, *Singer C 3119* (BAFC)
- laccata* var. *carbonicola* Singer, 1967d: 110
HOLOTYPE: USA. Massachusetts: Blue Hills, 11 November 1943, *Singer s.n.* (FH)
- laccata* var. *chilensis* Singer, 1967d: 109
HOLOTYPE: Chile. Valdivia: Cordillera Pelada, 5 May 1965, *Singer M 5514* (BAFC)
- laccata* var. *gibba* Singer, 1969a: 27
HOLOTYPE: Chile. Valdivia: Cordillera Pelada, 2 km S of Mirador, 6 May 1967, *Singer M 6738* (SGO)
- laccata* var. *intermedia* Singer, 1977d: 368
HOLOTYPE: Czechoslovakia. Moravia: Jeseníky, Reiviz near Jeseník, 24 July 1974, *J. & J. Kuthan, R. & M. Singer [Singer no.] C 5664* (F)
- laccata* var. *moelleri* Singer, 1973d: 9
HOLOTYPE: Czechoslovakia. Bohemia: Chlum near Treboň, 30 September 1970, *Singer C 5227* (F)
- laccata* var. *subalpina* Singer, 1977d: 365
HOLOTYPE: Czechoslovakia. Slovakia: Hohe Tatra, Solisko, 4 September 1974, *Singer C 5870* (F)
- laccata* var. *tatrensis* Singer, 1977d: 367
HOLOTYPE: Czechoslovakia. Slovakia: Hohe Tatra, Mala studena dolina, 13 September 1974, *Singer C 6001* (F)
- laccata* var. *vulcanica* Singer ex Veselsky & Singer, 1977d: 362
HOLOTYPE: Czechoslovakia. Moravia: Ostrava, Halde Lucina, 30 August 1968, *Veselský s.n.* (F)
- montana* Singer, 1973d: 8
HOLOTYPE: Switzerland. Valais: Borgne de Ferpècle, 11 July 1971, *Singer 5442* (F)
- proximella* Singer, 1965i: 146
HOLOTYPE: Chile. Valdivia: Cordillera Pelada, March 1963, *Singer M 3274* (BAFC)
- tetraspora* Singer, 1946e: 689
HOLOTYPE: USA. Florida: Highlands County, Highlands Hammock State Park, 11 August 1942, *Singer F 160* (FH)
- tetraspora* var. *aberrans* Singer, 1967d: 116
HOLOTYPE: Argentina. Neuquén, Nahuel Huapi National Park, 14 March 1959, *Singer M 1774* (BAFC)
- tetraspora* f. *major* Singer, 1967d: 113
Type specimen was not indicated.
- tetraspora* var. *peladae* Singer, 1967d: 117
HOLOTYPE: Chile. Valdivia: Cordillera Pelada, El Mirador, 5 May 1965, *Singer M 5515* (BAFC)
- tetraspora* var. *peullensis* Singer, 1967d: 113
HOLOTYPE: Chile. Llanquihué, 22 March 1959, *Singer M 1991* (BAFC)

- tetraspora* var. *scotica* Singer, 1967d: 114
HOLOTYPE: Scotland. Lake Katrin, 1 August 1964, *Singer C 4002* (BAFC)
- tetraspora* var. *valdiviensis* Singer, 1967d: 113
HOLOTYPE: Chile. Valdivia: Cordillera Pelada, 28 March 1963, *Singer M 3191* (BAFC)
- tetraspora* var. *xena* Singer, 1967d: 116
Type was not indicated.

LACHNELLA

- australis* Singer, 1966a: 12
HOLOTYPE: Argentina. Río Negro, Nahuel Huapi National Park, between Laguna Frías and Paso de las Nubes., 24 March 1963, *Singer & Moser [Singer no.] M 3185* (BAFC)
- cecropiae* Singer, 1966a: 13
HOLOTYPE: Bolivia. El Beni: Vaca Diez, Ivon, 3 April 1956, *Singer B 24901* (LIL, BAFC)

LACHNOCLADIUM

- hericiiforme* Singer, 1938e: 4
HOLOTYPE: USSR. *Vassilkov* (LE?)

LACTARIUS

- allochrous* Singer, 1948c: 41
HOLOTYPE: USA. Florida: Dade County, Matheson Hammock, 16 September 1942, *Singer F 714* (FH)
- alni* Singer, 1961b: 83
HOLOTYPE: Argentina. Tucumán: Sierra de San Javier, 7 January 1959, *Singer T 3181* (LIL)
- amazonensis* Singer, 1983f: 295
HOLOTYPE: Brazil. Amazonas: Road Manaus-Caracará, km 125, 20 July 1977, *Singer & Araujo [Singer no.] B 11315* (INPA)
- annulifer* Singer, 1983f: 290
HOLOTYPE: Brazil. Amazonas: Road Manaus-Caracará, km 45, 31 January 1980, *Webber, Bradley & Singer [Singer no.] B 12087* (INPA)
- brasiliensis* Singer, 1983f: 308
HOLOTYPE: Brazil. Amazonas: Road Manaus-Caracará, km 45, 28 February 1978, *St. John, Araujo & Singer [Singer no.] B 10729* (INPA, F)
- campinensis* Singer, 1984a: 438
HOLOTYPE: Brazil. Amazonas: Road Manaus-Caracará, 25 April 1980, *Singer B 12124* (INPA)
- caucae* Singer, 1973d: 105
HOLOTYPE: Colombia. Cauca: Los Araoz, 12 April 1968, *Singer B 6059* (F)

costaricensis Singer, 1983f: 321

HOLOTYPE: Costa Rica. Guanacaste: Parque Nacional Santa Rosa, 25 July 1981, Gómez & Singer [Singer no.] B 12437 (F)

gigasporus Singer, 1983f: 323

HOLOTYPE: Brazil. Amazonas: Punta Negra, 24 December 1978, Singer B 11444 (INPA)

guanacastensis Singer, 1983f: 325

HOLOTYPE: Costa Rica. Guanacaste: Bagaces, 7 km NW of town, October 1982, Gómez 18686 (F)

igapoensis Singer, 1984a: 441

HOLOTYPE: Brazil. Amazonas: Igarap do Tarumãzinho, 16 April 1980, Singer B 12099 (INPA)

laricinus Singer, 1989a: 132

HOLOTYPE: USA. Illinois: McHenry County, 26 August 1984, Singer N 5152 (F)

mamorensis Singer, 1983f: 302

HOLOTYPE: Bolivia. El Beni: Vaca Diez, 3 km below Guayaramerín along the left bank of the Mamore river, 12 March 1956, Singer B 1882 (F, BAFC)

neotropicus Singer, 1952b: 299

HOLOTYPE: Trinidad. Between Maqueripe trail and N Post, 30 September 1949, Dennis 97 (LIL)

pallidipes Singer, 1983f: 299

HOLOTYPE: Brazil. Amazonas: Road Manaus-Caracará, km 125, 20 July 1978, Singer B 11328 (INPA)

panuoides Singer, 1952b: 300

HOLOTYPE: Trinidad. Naranja, 2 October 1949, Dennis 109 (LIL)

paulensis Singer, 1983f: 305

HOLOTYPE: Brazil. São Paulo: Serra da Cantareira, lowest part of Reserva Florestal, 17 December 1964, Singer B 4093 (F)

purgatorii Singer, 1948c: 42

Type information: USA. Massachusetts: Norwood, July 1941 (FH)

quercuum Singer, 1963b: 249

HOLOTYPE: Colombia. Boyacá: Tunja, Arcabuco, Finca del Sr. Luis Antonio Porras, 29 July 1960, Singer B 3611 (BAFC)

subpallidipes Singer, 1983f: 298

HOLOTYPE: Brazil. Amazonas: Road Manaus-Caracará, km 125, 21 May 1978, Singer B 11048 (F)

subreticulatus Singer, 1983f: 314

HOLOTYPE: Brazil. Amazonas: Road Manaus-Caracará, km 45, 5 May 1980, Singer B 12145 (INPA)

uyedae Singer, 1984a: 436

HOLOTYPE: Japan. Shiga: Otsu, Kokubu, 3 August-10 September 1973, Uyeda (F)

veraecrucis Singer, 1973d: 104

HOLOTYPE: Mexico. Veracruz: near Montepío, 19 June 1969, Singer M 8025 (F)

xanthodorrheus Singer, 1945d: 426

HOLOTYPE: USA. Florida: Highlands County, Highlands Hammock State Park, 10 August 1942, Singer F 134 (FH)

LACTOCOLLYBIA Singer in Singer & Digilio, 1951e: 177. [Published in 1952].

Type species: *Collybia lacrimosa* Heim. Also see Schweiz. Zeitschr. f. Pilzk 17: 16, 1939

aequatorialis Singer, 1978h: 11

HOLOTYPE: Ecuador. Napo: Shushufindi, 13 May 1973, Singer B 7402 (F)

angiospermarum Singer, 1948c: 32

HOLOTYPE: USA. Florida: Dade County, Matheson Hammock, 1 November 1942, Singer (FH)

aurantiaca Singer in Singer & Digilio, 1951e: 180

HOLOTYPE: Argentina. Tucumán: Cerro Alto del Taficillo, 4 March 1951, Singer T 1358 (LIL). [Published in 1952].

graminicola Singer, 1989a: 19

HOLOTYPE: Venezuela. Dto Federal: near Río Caracas, 22 July 1972, Dumont and others VE 5632 (NY)

microspora Singer, 1961b: 51

HOLOTYPE: Argentina. Misiones: Iguazú, Puerto Iguazú, 12 April 1957, Singer M 950 (LIL)

modesta Singer, 1970d: 785

HOLOTYPE: Chile. Colchagua: Pumanque, Lazo PU-141 (SGO)

LAMPTEROMYCES Singer, 1947b: 79

Type species: *Pleurotus japonicus* Kawamura

LECCINUM

albellum f. *epiphaeum* Singer, 1947a: 120

Type information: USA. Florida: Alachua County, Gainesville.

chalybaeum Singer, 1945i: 799

Type information: USA. Florida: Alachua County, Gainesville.

roseoscabrum Singer & Williams, 1992c: 726

HOLOTYPE: USA. Florida: Sarasota Co., Myakka River State Park, 13 January 1991, Williams & Singer, (Williams No.) 394 (= Singer No. F 3908) (F)

subglabripes var. *corrugatoides* Singer, 1945i: 799

Type information: USA. Florida: Alachua County, Gainesville.

LENTINELLUS

calyciformis Singer, 1969a: 379

HOLOTYPE: Argentina. Río Negro: Laguna Frias, to Paso de las Nubes, 24 March 1963, *Singer M 3187* (BAFC)

LENTINUS

panziensis Singer, 1973d: 1

HOLOTYPE: Zaire. Panzi Kivu, March 1956, *Goossens-Fontana 5559* (BR)

prancei Singer, 1981c: 152

HOLOTYPE: Brazil. Amazonas: Ilha Marchandaria, 1 July 1981, *Singer B 12205* (F)

sayanus Singer in Singer & Digilio, 1951e: 139

HOLOTYPE: Argentina. Tucumán: Río de las Pavas, October, *Say [Singer no.] T 633* (LIL) [published in 1952]

LEPIOTA

amyloidea Singer, 1943a: 171

Type information: USSR. Altai Mtns., Oirotia: Lake Telezkoje, September.

azurea Singer in Singer & Digilio, 1951e: 278

HOLOTYPE: Argentina. Salta: Río Piedras, 25 March 1951, *Singer T 1426* (LIL) [published in 1952]

brunneosperma Singer in Singer & Digilio, 1951e: 279

HOLOTYPE: Argentina. Tucumán: Garden of the Instituto Lillo, 2 January 1949, *Singer & Digilio [Singer no.] T 76* (LIL) [published in 1952]

gomezii Singer, 1989a: 99

HOLOTYPE: Costa Rica. Guanacaste: Bagaces, 7 km NW of town, October 1982, *Gómez 18713* (F)

izonetae Singer, 1989a: 100

HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 26 December 1977, *Aguiar & Singer [Singer no.] B 10409* (INPA)

neuquenensis Singer, 1969a: 171

HOLOTYPE: Argentina. Neuquén: Puerto Manzano, 22 April 1964, *Singer M 3425* (BAFC)

patagonica Singer, 1969a: 172

HOLOTYPE: Argentina. Río Negro: Laguna Frias, 2 May 1964, *Singer M 3847* (BAFC)

subcortinaria Singer, 1969a: 171

HOLOTYPE: Argentina. Río Negro: near Santa María, 19 April 1965, *Singer M 5055* (BAFC)

xanthophylla Singer, 1973d: 67

HOLOTYPE: Brazil. Pará: Belem, 10 June 1966, *Singer B 4249* (BAFC)

LEPISTA

collybiiformis Singer, 1989a: 10

HOLOTYPE: Brazil. Amazonas: Road Manaus-Caracará, km 45, 3 August 1978, *Freire [Singer no.] B 11347* (INPA)

diemii Singer, 1954b: 103, 104

HOLOTYPE: Argentina. Neuquén: Nahuel Huapi National Park, Quettrihué, May 1952, *Singer M 772/M 732?* (LIL)

fibrosissima Singer, 1954b: 104

HOLOTYPE: Argentina. Neuquén: Nahuel Huapi National Park, Quettrihué, May 1952, *Singer M 581/M 771?* (LIL)

geotropoides Singer in Singer & Digilio, 1951e: 44

HOLOTYPE: Argentina. Tucumán: Cerro Alto del Taficillo, 4 March 1951, *Singer T 1363* (LIL) [published in 1952]

nuda var. *tucumanensis* Singer in Singer & Digilio, 1951e: 43

HOLOTYPE: Argentina. Tucumán: Sierra de San Javier, Anta Muerta, 16 April 1950, *Singer T 960* (LIL) [published in 1952]

rickenii Singer, 1948c: 26

HOLOTYPE: USSR. Rajajoki, 26 September 1940, *Singer 5-823* (LE)

LEPTOGLOSSUM

alnetorum Singer, 1970a: 75

HOLOTYPE: Argentina. Jujuy: Lagunas de Yala, 13 February 1966, *Singer T 5084* (F)

subbryophilum Singer, 1931: 521

Type information: USSR. Caucasus: Khä.

LEPTONIA

catalaunica Singer, 1936i: 428

Type information: Spain. Catalonia: Central Pyrenees, September 1934.

LEUCOAGARICUS (Locquin) Singer, 1948c: 35

Type species: *Leucocoprinus macrorrhizus* Locquin

acaciarum Singer, 1973d: 67

HOLOTYPE: Argentina. Corrientes: Curuzú Cuatiá, 7 November 1965, *M. Singer [Singer no.] S 564* (BAFC)

atrofibrillosus Singer, 1969a: 162

HOLOTYPE: Argentina. Neuquén: Puerto Manzano, Río Bonito, 6 April 1963, *Singer M 3291* (BAFC)

exannulatus Singer, 1973d: 68

HOLOTYPE: Argentina. Tucumán: Parque, Aconquija, 12 March 1949, *Singer T 211* (LIL)

lilaceus Singer in Singer & Digilio, 1951e: 274
HOLOTYPE: Argentina. Tucumán: Garden of the Instituto Lillo, 9 April 1949, *Antonuccio & Golbach* [Singer no.] T 306 (LIL) [published in 1952]

tricolor Singer, 1989a: 98

HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 3 April 1978, *Singer B 10868* (INPA)

LEUCOCOPRINUS

minutulus Singer, 1941b: 86

Type information: USSR. Krasnodar Krai: Aczipsta, August 1936, *Vasilieva* (LE?)

LEUCOINOCYBE Singer, 1943a: 144

Type species: *Mycena lenta* Maire

LEUCOPAXILLUS

albissimus var. *kauffmanii* Singer & Smith, 1943b: 106

HOLOTYPE: USA. Michigan: Ann Arbor, 14 November 1926, *Kauffman* (MICH)

albissimus var. *lentus* f. *olympianus* Singer & Smith, 1943b: 109

HOLOTYPE: USA. Washington: Olympic National Forest, Lake Mills, 26 September 1941, *Smith 17257 or 17333* (MICH?)

albissimus var. *lentus* f. *fucatus* Singer & Smith, 1943b: 110

HOLOTYPE: USA. Washington: Mt. Baker, Boulder Creek Trail, *Mains & Smith* [Smith no.] 16593 (MICH)

albissimus var. *monticola* Singer & Smith, 1947f: 730

HOLOTYPE: USA. Idaho: Payette Lakes, August 1943, *Gruber P-27* (MICH). [Published in 1948].

gracillimus Singer & Smith, 1943b: 131

HOLOTYPE: Brazil. Rio Grande do Sul (FH)

patagonicus Singer, 1954b: 111, 112

HOLOTYPE: Argentina. Neuquén: Nahuel Huapi National Park, Isla Victoria, 22 May 1952, *Singer* (LIL)

sainii Singer, 1989a: 19

HOLOTYPE: India. Himachal Pradesh: Narkanda, 9 August 1979, *Atri PUN 328* (F)

septentrionalis Singer & Smith, 1947f: 726

HOLOTYPE: USA. Oregon: Mt. Hood National Forest, Bear Springs, *Gruber* [Smith no.] 24982 (MICH). [Published in 1948].

LIMACELLA

grisea Singer, 1989a: 92

HOLOTYPE: Spain. Catalonia: Prat de Llobregat, 23 October 1979, *Singer C 9595* (F)

oaxacana Singer, 1957a: 359

Type information: Mexico. Oaxaca, 10-12 July 1957 (MICH). Two specimens were cited: M 1504 and M 1522, but no type was designated.

LINDEROMYCES Singer, 1947d: 157

Type species: *Paxillus lateritius* Petch

corneri Singer, 1961c: 14

HOLOTYPE: Brazil. Rio Grande do Sul: Guanabara, Corcovado, 4 December 1948, *Corner* 329 (R)

LULESIA Singer, 1970a: 16

Type species: *Armillariella densifolia* Singer in Singer & Digilio

LYOPHYLLUM

langei Singer, 1969a: 24

HOLOTYPE: Argentina. Neuquén: Nahuel Huapi National Park, above Puerto Manzano, 11 April 1963, *Singer M 3384* (BAFC)

nodulosporum Singer, 1969a: 26

HOLOTYPE: Chile. Valdivia: Hueycolla, 4 May 1967, *Singer M 6708* (SGO)

semiustum Singer in Singer & Digilio, 1951e: 17

HOLOTYPE: Argentina. Tucumán: near Tapia, 17 February 1951, *Singer T 1230* (LIL) [published in 1952]

tucumanense Singer in Singer & Digilio, 1951e: 17

HOLOTYPE: Argentina. Tucumán: Río de los Sosas, 27 January 1951, *Singer T 1146* (LIL) [published in 1952]

MACOWANITES

acris Singer & Smith, 1960h: 86

HOLOTYPE: USA. Idaho: near Stanley, 20 July 1958, *Smith 58967* (MICH)

albidigleba Singer & Smith, 1960h: 85

HOLOTYPE: USA. Idaho: near McCall, 30 July 1958, *Smith 59225* (MICH)

americanus Singer & Smith, 1960h: 88

HOLOTYPE: USA. Idaho: Payette National Forest, 16 July 1954, *Smith & Bigelow* [Smith no.] 45032 (MICH)

citrinus Singer & Smith, 1960h: 82

HOLOTYPE: USA. Idaho: near Stanley, 19 July 1958, *Smith 58942* (MICH)

fulvescens Singer & Smith, 1960h: 84

HOLOTYPE: USA. Idaho: near McCall, 5 August 1958, *Smith 59584* (MICH)

- fuscoviolaceus* Singer & Smith, 1960h: 87
HOLOTYPE: USA. Idaho: Payette National Forest, 30 July 1958, *Westerdale* [Smith no.] 59261 (MICH)
- mollis* Singer & Smith, 1960h: 79
HOLOTYPE: USA. Washington: Mt. Rainier National Park, 23 September 1948, *Sturtz* [Smith no.] 31683 (MICH)
- setchellianus* Singer & Smith, 1960h: 92
HOLOTYPE: USA. California: Contra Costa County, no date, *Parks* 1440 (NY)

MACROCYSTIDIA

- africana* Singer, 1973d: 15
HOLOTYPE: Zaire. near Panzi Kivu, February 1956, *Goossens-Fontana* 5548 (BR)
- incarnata* Singer, 1973d: 16
HOLOTYPE: Zaire. near Binga, 30 May 1928, *Goossens-Fontana* s.n. (BR)
- indica* Saini, Atri & Singer, 1982c: 236
HOLOTYPE: India. Himachal Pradesh: Simla, Summer Hill, 21 August 1979, *Atri* PUN 275 (PUN). Isotype: F
- occidentalis* Singer in Singer & Digilio, 1951e: 174
HOLOTYPE: Argentina. Tucumán: Marcos Paz, 26 March 1949, *Singer* T 281 (LIL) [published in 1952]

- MACROLEPIOTA** Singer, 1946g: 141.
[Published in 1948].

Type species: *Lepiota procera* Scop. : Fr.

- MACROMETRULA** Donk & Singer, 1948a: 264

Type species: *Agaricus rubriceps* Cooke & Mass.

- MANURIPIA** Singer, 1960f: 273, 279

Type species: *Manuripia bifida* Singer

- bifida* Singer, 1960f: 273
HOLOTYPE: Bolivia. Pando: Manuripi, Conquista, 26 March 1956, *Singer* B 2272 (LIL)

MARASMIELLUS

- albifolius* Singer, 1973a: 155, 322
HOLOTYPE: Brazil. Pernambuco: Camaragibe, 6 July 1960, *Singer* B 3132 (F)
- albobrunnescens* Singer, 1973a: 121, 322
HOLOTYPE: Mexico. Veracruz: 7 km S of Montepío, Estación Biológica de las Tuxtlas, 20 June 1969, *Singer* M 8087 (F)

- alneus* Singer, 1973a: 44, 322
HOLOTYPE: Mexico. Oaxaca: San Andrés Hidalgo, 9 July 1969, *Singer* M 8378 (F)
- alvaradoi* Singer, 1973a: 277, 322
HOLOTYPE: Argentina. Jujuy: 15 km NE of Posta de Lozano, 20 February 1966, *Singer* T 5311 (F)
- alvaradoi* var. *filicinus* Singer, 1975c: 887
HOLOTYPE: Ecuador. Napo: Shushufindi, 13 May 1973, *Singer* B 7383 (F)
- amazoniensis* Singer, 1989a: 26
HOLOTYPE: Brazil. Amazonas, 30 km N of Manaus, 18 May 1977, *Singer* B 9643 (INPA). The type information of *Cystolepiota amazonica* Singer (1989a: 99) is identical to this. Based on Singer's unpublished notebook, however, the type of this species might be *Singer* B 9640 from the same location. See note under *C. amazonica* Singer.
- ambiguus* Singer, 1965e: 25
HOLOTYPE: Brazil. Amazonas: 30 km from Manaus, 19 July 1960, *Singer* B 3442 (BAFC)
- amphicystis* Singer, 1975c: 880
HOLOTYPE: Colombia. Valle: Cali, Buenaventura, Calima, 18 April 1968, *Singer* B 6289 (F)
- androsaceiformis* Singer, 1973a: 127, 322
HOLOTYPE: Mexico. Oaxaca: San Andrés Hidalgo, Sierra Mazateca, 9 July 1969, *Singer* M 8387 (F)
- angustispermus* Singer, 1973a: 54, 323
HOLOTYPE: Mexico. Veracruz: 7 km S of Montepío, Estación Biológica de las Tuxtlas, 19 June 1969, *Singer* M 8046 (F)
- antarcticus* Singer, 1969a: 73
HOLOTYPE: Chile. Osorno: Pilmayquen, 13 May 1967, *Singer* M 6860 (SGO)
- aporposeptus* Singer, 1973a: 201, 323
HOLOTYPE: Brazil. Pará: Belem, 10 June 1966, *Singer* B 4261 (F)
- aquilus* Singer, 1973a: 148, 323
HOLOTYPE: Bolivia. El Beni: Vaca Diez, Guayaramerín, 7 March 1956, *Singer* B 1635 (F)
- aurantiorufescens* Singer, 1973a: 66, 323
HOLOTYPE: Mexico. Chiapas: San Cristobal de las Casas, 24 km SW, 3 August 1969, *Singer* M 8929 (F)
- baeosporoides* Singer, 1989a: 26
HOLOTYPE: Brazil. Amazonas: Igarapé do Tarumãzinho, 12 March 1980, *Singer* B 12025 (INPA)
- baeosporus* Singer, 1973a: 69, 323
HOLOTYPE: Colombia. Valle: Cali, Buenaventura, Calima, 25 April 1968, *Singer* B 6366 (F)

- bauhiniae* Singer, 1989a: 27
HOLOTYPE: Brazil. Amazonas: Manaus, 24 April 1977, *Singer B 9801* (INPA)
- berkeleyi* Singer, 1973a: 98, 324
Type information: Cuba. *Wright 150* (FH). No site data or date given.
- bisporiger* Singer, 1973a: 189, 324
HOLOTYPE: Colombia. Valle: Cali, Buenaventura, Calima, Campamento, 24 April 1968, *Singer B 6353* (F)
- bolivarianus* Singer, 1973a: 257, 324
HOLOTYPE: Venezuela. Bolívar: Chimantá Massif, Torontó-tepui, 23 February 1955, *Steyermarck & Wurdack 117* (NY)
- brunneomarginatus* Singer, 1973a: 180, 324
HOLOTYPE: Bolivia. El Beni: Vaca Diez, Arroyo Florida, 22 km E of Riberalta, 7 April 1956, *Singer B 255* (LIL, BAFC)
- californicus* Singer, 1989a: 28
HOLOTYPE: USA. California: San Mateo County, 16 July 1975, *Singer N 7531* (F)
- caracasensis* Dennis ex Singer, 1973a: 100, 324
HOLOTYPE: Venezuela. Dto. Federal: Caracas Botanic Garden, 3 July 1958, *Dennis 1134* (K)
- cinereus* Singer, 1973a: 291, 325
HOLOTYPE: Mexico. Veracruz: 3 km S of Montepío, 22 June 1969, *Singer M 8143* (F)
- clitocybe* Singer, 1955c: 148
HOLOTYPE: Argentina. Tucumán: Quebrada, 25 January 1955, *Singer T 2082* (LIL). The type information for this species is identical to that of *Neoclitocybe latispora* Singer (1973d: 22), except for the herbarium of deposit.
- cnacopolius* Singer, 1973a: 266, 325
HOLOTYPE: Colombia. Cauca: Los Araoz, road to Cali-Popayán, 12 April 1968, *Singer B 6041* (F)
- cocosensis* Singer, 1989a: 27
HOLOTYPE: Costa Rica. Cocos Island, trail between Chatham and Wafer Bay, December 1981, *Gómez 17974* (F)
- columbianus* Singer, 1973a: 204, 325
HOLOTYPE: Colombia. Cauca: El Guayabo, road to Cali and Popayán, 29 April 1968, *Idrobo [Singer no.] B 6797* (F)
- confertifolius* Singer, 1973a: 114, 325
HOLOTYPE: Peru. Loreto: Nanay, 1 March 1968, *Vigo s. n.* (F)
- corticum* Singer, 1973a: 297, 325
HOLOTYPE: USA. Florida: Highlands County, 20 August 1942, *Singer F 325* (F)
- corynophloeus* Singer, 1973a: 52, 325
HOLOTYPE: Mexico. Veracruz: 7 km S of Montepío, Estación Biológica de las Tuxtlas, 29 July 1969, *Singer M 8745* (F)
- couleu* Singer, 1954b: 118, 119
HOLOTYPE: Argentina. Neuquén: Nahuel Huapi National Park, Puerto Manzano, 18 May 1952, *Singer M 747* (LIL)
- crinipelloides* Singer, 1973a: 76
HOLOTYPE: Mexico. Veracruz: 3 km S of Montepío, 22 June 1969, *Singer M 8153* (F). No Latin diagnosis.
- cystidiosus* Singer, 1973a: 177, 326
HOLOTYPE: Argentina. Buenos Aires: Santa Catalina, 19 April 1963, *Singer S 404* (F)
- daguae* Singer, 1973a: 146, 326
HOLOTYPE: Colombia. Valle: Corr. El Vergel, Municip. Dagua, Finca La Araucana, 27 April 1968, *Singer B 6428* (F)
- defibulatus* Singer, 1955a: 772
HOLOTYPE: Brazil. Paraná: Paranaguá, 28 September 1952, *Singer B 401* (F)
- defibulatus* var. *insignis* Singer, 1973a: 195, 326
HOLOTYPE: Brazil. Pernambuco: Mata de São João, 16 July 1960, *Singer B 3420* (F)
- defibulatus* var. *strictior* Singer, 1973a: 192, 326
HOLOTYPE: Colombia. Valle: Cali, Buenaventura, San Joaquín, 22 April 1968, *Singer B 6281* (F)
- dendroegrus* Singer, 1973a: 59, 326
HOLOTYPE: Bolivia. El Beni: Vaca Diez, Riberalta, 31 March 1956, *Singer B 2384* (LIL)
- devenulatus* Singer, 1961b: 57
HOLOTYPE: Bolivia. El Beni: Vaca Diez, 1 April 1956, *Singer B 2417* (LIL)
- distoriformis* Singer in Singer & Digilio, 1951e: 155
HOLOTYPE: Argentina. Tucumán: Río de los Sosas, 13 December 1949, *Singer T 761* (LIL) [published in 1952]
- dryogeton* Singer, 1973a: 64, 326
HOLOTYPE: Mexico. Oaxaca: Sierra Mazateca, San Agustín, 10 July 1969, *Singer M 8439A* (F)
- echinocephalus* Singer, 1955a: 773
HOLOTYPE: Panama. Zona Canalis: Barro Colorado Island, *Martin 4082* (F, 1A)
- edite* Singer, 1969a: 75
HOLOTYPE: Chile. Llanquihué, 20 March 1959, *Singer M 1882* (BAFC)
- elongatisporus* Singer, 1973a: 85, 326
HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Cerro Uchumachi, 25 February 1956, *Singer B 1452* (F)
- enodis* Singer, 1973a: 61, 327
HOLOTYPE: Brazil. Pernambuco: Dois Irmãos, 14 April 1964, *Singer B 4074* (F)
- epitrichialis* Singer, 1989a: 28
HOLOTYPE: Brazil. Amazonas, Road Manaus-Caracará, km 45, 28 February 1978, *Singer B 10731a* (INPA)

eugeniae Singer, 1989a: 29

HOLOTYPE: Brazil. Amazonas, 36 km N of Manaus, 23 June 1977, *Singer B 10010* (INPA)

foliicola Singer in Singer & Digilio, 1951e: 148

HOLOTYPE: Argentina. Tucumán: Sierra de San Javier, 24 April 1951, *Singer T 1523* (LIL) [published in 1952]. This taxon was renamed as *Mycena neotropicalis* Singer in Singer, 1989a: 82.

gigantosporus Singer, 1975c: 881

HOLOTYPE: Argentina. Jujuy: Lagunas de Yala, 16 February 1966, *Singer T 5222* (F)

gilvus var. *bambusearum* Singer, 1973a: 287, 327

HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Caratas de San Juan, 28 January 1956, *Singer B 643* (LIL)

gilvus var. *chusquearum* Singer, 1973a: 288, 327

HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Cotapata, 28 January 1956, *Singer B 655* (LIL)

gilvus var. *cundinamarcae* Singer, 1975c: 888

HOLOTYPE: Colombia. Cundinamarca: near Nazareth, 24 July 1974, *Dumont & Haines [Dumont no.] CO 1917* (F). Isotype: NY

gilvus var. *minusculeus* Singer, 1973a: 289, 327

HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Charobamba, 30 January 1956, *Singer B 745a* (LIL)

gomezpompae Singer, 1973a: 161, 327

HOLOTYPE: Mexico. Veracruz: 3 km S of Montepío, 22 June 1969, *Singer M 8125* (F)

griseolobrunneolus Singer in Singer & Digilio, 1951e: 165

HOLOTYPE: Argentina. Tucumán: Sierra de San Javier, Anta Muerte, 16 April 1950, *Singer T 965* (LIL) [published in 1952]

guzmanii Singer, 1973a: 218, 327

HOLOTYPE: Mexico. Morelos, NW of Tepoztlán, 27 June 1969, *Singer M 8210* (F)

helminthocystis Singer, 1989a: 29

HOLOTYPE: Brazil. Amazonas: Ponta Negra, 8 April 1978, *Singer B 10963* (INPA)

hypolissus Singer, 1989a: 30

HOLOTYPE: Brazil. Amazonas, 30 km N of Manaus, 18 January 1978, *Singer B 10540* (INPA)

icterinus Singer, 1948c: 30

HOLOTYPE: USA. Florida: Dade County, Matheson Hammock, 30 October 1942, *Singer 1350 g* (FH)

idroboi Singer, 1973a: 266, 327

HOLOTYPE: Colombia. Valle: Cali, Buenaventura, Calima, 23 April 1968, *Singer B 6333* (F)

iguazuensis Singer, 1973a: 149, 328

HOLOTYPE: Argentina. Misiones: Refugio Yaguareté, 15 April 1957, *Singer M 1024* (F)

illinatorum Singer, 1989a: 31

HOLOTYPE: USA. Illinois: Lake County, Highland Park, 6 August 1972, *Singer N 4152* (F)

incarnatipallens Singer, 1973a: 137, 328

HOLOTYPE: Colombia. Valle: Corr. El Vergel, Municip. Dagua, Finca La Aracuana, 27 April 1968, *Singer B 6431* (F)

incratus Singer in Singer & Digilio, 1951e: 153

HOLOTYPE: Brazil. Pará: Estado Rio Grande do Sul, 2 November 1951, *Singer B 60* (LIL) [published in 1952]

inodermatoides Singer, 1973a: 241, 328

HOLOTYPE: Bolivia. El Beni: Vaca Diez, Guayaramerín, 9 March 1956, *Singer B 1720* (F)

juniperinus var. *gilvodes* Singer, 1975c: 890

HOLOTYPE: Ecuador. Tungurahua: Río Topo, 30 April 1973, *Singer B 7213* (F)

juniperinus var. *radicicola* Singer, 1973a: 272, 328

HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Cerro Uchumachi, 25 February 1956, *Singer B 1445* (F)

latispermus Singer, 1989a: 31

HOLOTYPE: Peru. Cuzco, Machu Picchu, 20 May 1958, *Singer B 3026* (BAFC)

laurifoliae Singer, 1973a: 124, 328

HOLOTYPE: USA. Florida: Highlands County, 6 August 1942, *Singer F 94* (F)

lecythidacearum Singer, 1989a: 31

HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 10 October 1977, *Singer B 10197* (INPA)

leucophyllus Singer, 1989a: 32

HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 17 May 1977, *Singer B 9645* (INPA)

lysochlorus Singer, 1989a: 33

HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 21 April 1977, *Singer B 9772* (INPA)

mesosporus Singer, 1973c: 469

HOLOTYPE: USA. North Carolina: Hatteras Island, 6 December 1970, *Lucas s.n.* (F)

minutalis Singer, 1989a: 33

HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 29 June 1977, *Singer B 10022* (INPA). Deposited as "*M. brasiliensis* var. *minutalis*"

minutus Singer, 1973a: 43, 328

HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Cerro Uchumachi, 25 February 1956, *Singer B 1446* (F)

misionensis Singer, 1973a: 277, 329

HOLOTYPE: Argentina. Misiones: Puerto Iguazú, 14 May 1957, *Singer M 981* (F)

- musacearum* Singer, 1973a: 239, 329
HOLOTYPE: Bolivia. El Beni: Vaca Diez, Guayaramerín, 16 March 1956, *Singer B* 2022 (F)
- napoensis* Singer, 1975c: 877
HOLOTYPE: Ecuador. Napo: Shushufindi, 15 May 1973, *Singer B* 7445 (F)
- nothofagineus* Singer, 1969a: 80
HOLOTYPE: Argentina. Neuquén: Lago Correntoso, 30 April 1958, *Pujals & Gamundi Gamundi* 328 (BAFC, LIL)
- nubigenus* Singer, 1973a: 197, 329
HOLOTYPE: Colombia. Valle: Corr. El Vergel., Municip. Dagua, Finca La Araucana, 14 April 1968, *Singer B* 6133 (F)
- oblongisporus* Singer, 1973a: 254, 329
HOLOTYPE: Mexico. Oaxaca: Rancho del Cura, below Huautla de Jiménez, 7 July 1969, *Singer M* 8287 (F)
- omphalina* Singer in Singer & Digilio, 1951e: 167
HOLOTYPE: Argentina. Tucumán: Sierra de San Javier, Anta Muerte, 27 March 1949, *Singer T* 295 (LIL) [published in 1952]
- omphalophorus* Singer, 1969a: 79
HOLOTYPE: Chile. Llanquihué: Puella, 20 March 1959, *Singer M* 1897 (SGO)
- orinocensis* Singer, 1973a: 280, 329
HOLOTYPE: Venezuela. Amazonas: Tama-Tama, Río Orinoco, 21 June 1959, *Wurdack & Adderley* 43097 (NY)
- osornensis* Singer, 1969a: 83
HOLOTYPE: Chile. Llanquihué: Volcán Osorno, 10 May 1967, *Singer M* 6846 (SGO)
- panamensis* Singer, 1973a: 251, 329
HOLOTYPE: Panama. Zona Canalis: Barro Colorado Island, 6 July 1952, *Martin & Welden* 7468 (F)
- pandoensis* Singer, 1973a: 71, 329
HOLOTYPE: Bolivia. Pando: Manuripi, 23 March 1956, *Singer B* 2160 (LIL)
- pantholocystis* Singer, 1989a: 34
HOLOTYPE: Indonesia. Pulo-Penang, no date, *Wawra* 1407 (W)
- papillatomarginatus* Singer, 1973a: 183, 330
HOLOTYPE: Colombia. Valle: Corr. El Vergel., Municip. Dagua, Finca La Araucana, 14 April 1968, *Singer B* 6136 (F)
- papillifer* Singer, 1969a: 79
HOLOTYPE: Chile. Llanquihué: 15 km NE of Puerto Pargua, 9 May 1967, *Singer M* 6801 (SGO)
- paraensis* Singer, 1973a: 45, 330
HOLOTYPE: Brazil. Pará: Belém, 10 June 1966, *Singer B* 4258 (BAFC)
- parlatorei* Singer in Singer & Digilio, 1951e: 161
HOLOTYPE: Argentina. Tucumán: Cerro Alto del Taficillo, 6 January 1950, *Singer T* 835 (LIL) [published in 1952]
- paurosporus* Singer, 1958d: 228
HOLOTYPE: Mexico. Oaxaca: Huautla de Jiménez, 12 July 1957, *Singer M* 1533 (LIL)
- perangustispermus* Singer, 1973a: 330
HOLOTYPE: Colombia. Valle: Cali, Buenaventura, Quinta La Flora between Cisneros and Cordoba, 23 April 1968, *Singer B* 6323 (F)
- pernambucensis* Singer, 1973a: 233, 330
HOLOTYPE: Brazil. Pernambuco: Caramagibe, 14 July 1960, *Singer B* 3408 (F)
- petiolicola* Singer, 1975c: 891
HOLOTYPE: Ecuador. Tungurahua: Río Topo, 8 May 1973, *Singer B* 7292 (F)
- peullensis* Singer, 1969a: 77
HOLOTYPE: Chile. Llanquihué: Puella, 20 March 1959, *Singer M* 1924a (BAFC)
- platyhyphes* Singer, 1973a: 275, 330
HOLOTYPE: Colombia. Valle: Cali, Buenaventura, Calima, 25 April 1968, *Singer B* 6360 (F)
- polyphyllus* Singer, 1973a: 182, 330
HOLOTYPE: Mexico. Veracruz: 7 km S of Montepío, Estación Biológica de las Tuxtlas, 20 June 1969, *Singer M* 8061 (F)
- potamogeton* Singer, 1989a: 34
HOLOTYPE: Brazil. Amazonas: Paraná do Janauacá, 23 May 1980, *Singer B* 12178 (F)
- potassiovirens* Singer, 1989a: 35
HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 21 April 1977, *Singer B* 9782 (INPA)
- pseudoparaphysatus* Singer, 1973a: 195, 331
HOLOTYPE: Colombia. Valle: Cali, Buenaventura, Quinta La Flora between Cisneros and Cordoba, 23 April 1968, *Singer B* 6313 (F)
- quercinus* Singer, 1973a: 55, 331
HOLOTYPE: Colombia. Cundinamarca: Bojacá, Bosque de La Mercedes, 8 April 1968, *Singer B* 6010 (F)
- ramealis* var. *consimilis* Singer, 1973a: 174, 331
HOLOTYPE: Argentina. Tucumán: Sierra de San Javier, Ciudad Universitaria, 16 January 1955, *Singer T* 2021 (LIL)
- ramealis* var. *foliicola* Singer, 1969a: 75
HOLOTYPE: Chile. Coquimbo: Fray Jorge, 10 November 1967, *Singer M* 7827 (SGO)
- ramealis* var. *multifolius* Singer, 1969a: 74
HOLOTYPE: Chile. Chiloe: Pudeto, May 1967, *Singer M* 6793 (SGO)
- ramealis* var. *secretanii* Singer, 1973a: 311
HOLOTYPE: Switzerland. Vaud: NW of Belmont, 1 August 1970, *Singer C* 5035 (F). No Latin diagnosis—cites other publication with Latin

ramealis var. *subtropicalis* Singer, 1973a: 173, 331

HOLOTYPE: Argentina. Tucumán: Taff del Valle, 15 January 1950, *Singer T 872* (LIL)

ramealis var. *tucumanensis* Singer, 1973a: 175, 331

HOLOTYPE: Argentina. Tucumán: Sierra de San Javier, Ciudad Universitaria, 28 January 1957, *Singer T 2919* (F)

ramorum Singer in Singer & Digilio, 1951e: 163

HOLOTYPE: Argentina. Tucumán: Sierra de San Javier, 1 March 1949, *Singer T 174* (LIL) [published in 1952]

reductus Singer, 1973a: 305, 331

HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Carmen Pampa, 19 February 1956, *Singer B 1266* (F)

rhodophyllus Singer, 1973a: 212, 331

HOLOTYPE: Colombia. Cauca: above Totorá, Páramo Gabriel López, San Pedro, 4 May 1968, *Singer B 6990 d* (F)

riberaltensis Singer, 1973a: 281, 331

HOLOTYPE: Bolivia. El Beni: Vaca Diez, Riberalta, 29 March 1956, *Singer B 2324* (F)

rosascentifolius Singer, 1989a: 35

HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 3 April 1978, *Singer B 10905* (INPA)

sacchari Singer in Singer & Digilio, 1951e: 170

HOLOTYPE: Argentina. Tucumán: Marcos Paz, 26 March 1949, *Singer T 280* (LIL) [published in 1952]

sanctaemarthae Singer, 1973a: 226, 332

HOLOTYPE: Colombia. Magdalena: Sierra Nevada de Santa Marta, Hacienda Cincinnati, 18 August 1935, *Martin 3493* (F)

segregabilis Singer, 1973a: 246, 332

HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Coroico, 15 February 1956, *Singer B 1163* (MICH)

semiustus var. *abortivus* Singer, 1973a: 312, 332

HOLOTYPE: Philippines. Manila, 13-14 November 1947, *Davis s. n.* (FH)

septicoides Singer, 1955a: 773

HOLOTYPE: Brazil. Rio de Janeiro, Angra dos Reis, 1 October 1952, *Singer B 427* (F)

sphaerosporus Singer, 1973a: 214, 332

HOLOTYPE: Argentina. Corrientes: Depto. Cosme, Paso de la Patria, 5 April 1957, *Singer M 903* (LIL)

stenocystis Singer, 1973a: 151, 332

HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Charobamba, 30 January 1956, *Singer B 732* (F)

stenophylloides f. *bispora* Singer, 1978h: 17

HOLOTYPE: Ecuador. Napo: Lago Agrio, 14 May 1973, *Singer B 7439* (F)

stenosporus Singer, 1973a: 111, 332

HOLOTYPE: Bolivia. El Beni: Vaca Diez, Guayaramerin, 7 March 1956, *Singer B 2080* (F)

stratosus Singer, 1975c: 893

HOLOTYPE: Ecuador. Tungurahua: Río Topo, 30 April 1973, *Singer B 7194* (F)

subcoracinus ssp. *montanus* Singer, 1973a: 208

HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Cerro Uchumachi, 25 February 1956, *Singer B 1473* (BAFC). No Latin diagnosis.

subhirtellus Singer, 1989a: 36

HOLOTYPE: Brazil. Pará: Belem, 10 June 1966, *Singer B 4255* (BAFC)

subinodermatoides Singer, 1989a: 36

HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 2 January 1978, *Singer B 10470 b-c* (INPA)

subolivaceomelleus Singer, 1973a: 68, 332

HOLOTYPE: Colombia. Valle: Cali, Buenaventura, San Joaquín, 19 April 1968, *Singer B 6233* (F)

subramealis Singer in Singer & Digilio, 1951e: 157

HOLOTYPE: Argentina. Tucumán: Sierra de San Javier, Parque Aconquita, 24 April 1951, *Singer T 1521* (LIL) [published in 1952]

subramealis var. *catamarcensis* Singer, 1973a: 166, 332

HOLOTYPE: Argentina. Catamarca: Cuesta del Totoral, 26 May 1959, *Singer T 3368* (F)

subramealis var. *julius* Singer, 1973a: 171

HOLOTYPE: Brazil. Pernambuco: Camaragibe, 7 July 1960, *Singer B 3293* (F). No Latin diagnosis.

subramealis var. *platani* Singer, 1973a: 168, 333

HOLOTYPE: Mexico. Oaxaca: below Huautla de Jimnez, 7 July 1969, *Singer M 8321* (F)

tener Singer, 1973a: 139, 333

HOLOTYPE: Mexico. Oaxaca: San Andrés Hidalgo, 9 July 1969, *Singer M 8348* (F)

thaxteri Singer, 1973a: 248, 333

Type information: USA. Florida: Dade County, Coconut Grove, *Thaxter* (F). No date or collection number given.

trichodermialis Singer, 1975c: 883

HOLOTYPE: Venezuela. Aragua: along road from El Junquito, to Colonia Tovar, 44-45 km from Caracas, 22 June 1971, *Dumont VE-440* (NY)

tricolor f. *americana* Singer, 1946g: 128

Type information: USA. Massachusetts: Arlington, *Singer* (FH). [Published in 1948].

umbilicatus Singer, 1973a: 129, 333

HOLOTYPE: Colombia. Valle: Cali, Buenaventura, Juanchaco, 21 April 1968, *Singer B 6270* (F)

umbonifer Singer, 1973a: 150, 333

HOLOTYPE: Argentina. Misiones: Cataratas del Iguazú, near San Antonio, 19 April 1957, *Singer M 1080* (F)

varzeae Singer, 1989a: 36

HOLOTYPE: Brazil. Amazonas: Ilha da mar-chantaria, 1 July 1981, *Singer B 12215* (INPA)

vinosus Singer in Singer & Digilio, 1953b: 10

HOLOTYPE: Argentina. Misiones: Cataratas del Iguazú, 26 November 1949, *Singer & Digilio [Singer no.] M 84* (LIL). The type information is identical to that of *Marasmius neosessilis* (1958a: 103) and *Marasmius iguazuensis* (1951e:187). Based on Singer's unpublished field notebook, however, the description of *M. vinosus* matches Singer's collection no. *M 82* from the same location.

volvatus Singer ex. Singer, 1989a: 37

HOLOTYPE: Brazil. Amazonas: Road Manaus-Caracará, km 125, 20 July 1978, *Singer B 11317* (INPA)

xerophyticus Singer, 1973a: 57, 333

HOLOTYPE: Argentina. Tucumán: 2 km W of Tapia, 6 January 1952, *Singer T 1706* (MICH)

yalae Singer, 1973a: 141, 333

HOLOTYPE: Argentina. Jujuy: Lagunas de Yala, 13 February 1966, *Singer T 5087* (F)

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adisianus Singer, 1989a: 59

HOLOTYPE: Brazil. Amazonas: Lago Janauari, 18 March 1983, *Singer and others [Singer no.] B 12454* (INPA)

aequatorialis Singer, 1976a: 112

HOLOTYPE: Ecuador. Pichincha: Río Machán-garo, 20 May 1973, *Singer B 7538* (F)

aimara Singer, 1965c: 219, 333

HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Charobamba, 13 February 1956, *Singer B 1134* (LIL)

albertianus Singer, 1964f: 351

HOLOTYPE: Zaire. Des Lacs Edouard-Ganta, Kivu, Parc National Albert, Kalonge S. Butahu, no date, *Frédéricq in de Witte 8969* (BR)

albidomurinus Singer, 1989a: 45

HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 20 February 1978, *Singer B 10670* (INPA)

allocystis Singer, 1976a: 206

HOLOTYPE: Bolivia. El Beni: Vaca Diez, Guayaramerín, 3 km below village, 12 March 1956, *Singer B 1875* (LIL). This species was invalidly published in Singer, 1965c: 292.

alpinus Singer, 1937: 231

HOLOTYPE: USSR. Western Caucasus: Monte Jatyrgvarta, July 1936, *Vasilieva* (LE?)

apatelius Singer, 1964f: 332

HOLOTYPE: Zaire. Bas-Zaire: Kisantu, no date, *Vanderyst 695* (BR)

apogonus Singer, 1978h: 24

HOLOTYPE: Ecuador. El Oro, 17 km. from Pinas towards Machala on the Arenillas-Loja road, 29 July 1975, *Dumont EC 1683* (NY)

aporpohyphes Singer, 1965c: 131, 333

HOLOTYPE: Chile. Llanquihué: Lago Todos los Santos, Puella, 22 March 1959, *Singer M 1996* (LIL)

aporpus Singer, 1969a: 97

HOLOTYPE: Chile. Valdivia: near Hueycolla, 4 May 1967, *Singer M 6705* (SGO)

araucariae Singer, 1965c: 319, 333

HOLOTYPE: Argentina. Misiones: Frontera, General Manuel Belgrano, 20 April 1957, *Singer M 1147* (LIL)

asemiformis Singer, 1989a: 59

HOLOTYPE: Brazil. Amazonas: Manaus, 20 March 1983, *Singer B 12457* (F)

asemus Singer, 1989a: 60

HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 18 January 1978, *Singer B 10545* (INPA)

aspilocephalus Singer, 1965c: 176, 334

HOLOTYPE: Bolivia. Pando: Conquista, 25 March 1956, *Singer B 2214* (LIL)

ater Singer, 1976a: 182

HOLOTYPE: Venezuela. Dto. Federal: El Avila, 24 July 1972, *Dumont and others VE 5980* (NY)

atlanticus Singer, 1976a: 77

HOLOTYPE: USA. Florida: Highlands County, Highlands Hammock State Park, 21 August 1942, *Singer F 347* (F)

atroincrustedatus var. *atroincrustedatus* Singer, 1976a: 76

HOLOTYPE: Mexico. Oaxaca: Rancho del Cura, 7 July 1969, *Singer M 8320* (F)

atroincrustedatus var. *inodorus* Singer, 1976a: 76

HOLOTYPE: Mexico. Chiapas: San Cristobal de las Casas, 15 km W, 2 August 1969, *Singer M 8816* (F)

atrорubens var. *cystidifer* Singer, 1976a: 242

HOLOTYPE: Bolivia. El Beni: Vaca Diez, Guayaramerín, 8 March 1956, *Singer B 1700* (LIL)

atrорubens var. *dumontii* Singer, 1976a: 243

HOLOTYPE: Venezuela. Sucre: trail from Los Pocitos, to Río Grande Arriba, 13 July 1972, *Dumont and others VE 4877* (NY)

austrorotula Singer, 1969a: 103

HOLOTYPE: Argentina. Neuquén: Nahuel Huapi National Park, Puerto Blest, Los Cántaros, 10 November 1966, *Singer M 6045* (BAFC)

aztecus Singer, 1976a: 235

HOLOTYPE: Mexico. México near Peña Blanca, SE of Valle de Bravo, 26 September 1967, *Guzmán 6148* (ENCB)

bactrosporus Singer, 1965c: 127, 334

HOLOTYPE: Argentina. Tucumán: Sierra de San Javier, ravine northwest of Ciudad Universitaria, 9 January 1960, *Singer T 3521* (LIL)

baeocephalus Singer, 1976a: 121

HOLOTYPE: Ecuador. Napo, 8 May 1973, *Singer B 7311* (F)

bambusiniformis Singer, 1976a: 167

HOLOTYPE: Ecuador. Napo: Lago Agrio, 16 May 1973, *Singer B 7480* (F)

bathomphalus Singer, 1989a: 45

HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 9 February 1978, *Singer B 10646* (INPA)

batistae Singer, 1965c: 352

HOLOTYPE: Brazil. Pernambuco: Mata do São João, 16 July 1960, *Singer B 3436* (BAFC)

beniensis Singer, 1965c: 261, 334

HOLOTYPE: Bolivia. El Beni: Guayaramerín, 14 March 1956, *Singer B 2000* (LIL)

bezerrae var. *bezerrae* Singer, 1976a: 185

HOLOTYPE: Brazil. Pernambuco: Caramagibe, 14 July 1960, *Singer & Bezerra B 3409* (F)

bezerrae var. *chitepecensis* Singer, 1976a: 185

HOLOTYPE: Mexico. Chitepec, 30 October 1960, *Guzmán 2800 B* (F)

bingaensis Singer, 1964f: 382

HOLOTYPE: Zaire. Forestier Central: Binga, no date, *Goossens-Fontana 791* (BR)

boliviae Singer, 1965c: 196, 334

HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Coroico, 12 February 1956, *Singer B 1098* (LIL)

brachysporus Singer, 1989a: 45

HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 2 January 1978, *Singer B 10465* (INPA)

bromeliacearum Singer in Singer & Digilio, 1951e: 212

HOLOTYPE: Argentina. Tucumán: Sierra de San Javier, 30 March 1951, *Singer T 1457* (LIL) [published in 1952]

brunneocinctus Singer, 1976a: 156

HOLOTYPE: Mexico. Chiapas: between Finca Sospiro, and El Pozo, 4 August 1969, *Singer M 8982* (F)

buzungolo Singer, 1964f: 371

HOLOTYPE: Zaire. Bas-Zaire, near Léopoldville, no date, *Dubois 1501* (BR)

calhouniae Singer, 1989a: 63

HOLOTYPE: USA. California: Marin County, 11 November 1981, *Calhoun 81-2606* (F)

caliensis Singer, 1976a: 91

HOLOTYPE: Colombia. Valle: Cali, Saladito, 15 April 1968, *Singer B 6149* (F)

campinaranae Singer, 1989a: 57

HOLOTYPE: Brazil. Amazonas: Road Manaus-Caracará, km 45, 28 February 1979, *Singer B 10724* (INPA)

carcharus Singer, 1964f: 361

HOLOTYPE: Zaire. Forestier Central: Binga, no date, *Goossens-Fontana 4064* (BR)

carminis Singer, 1976a: 108

HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Carmen Pampa, 26 February 1956, *Singer B 1484* (LIL). This species was invalidly published in Singer, 1965c: 156.

carneotinctus Singer, 1976a: 107

HOLOTYPE: Colombia. Valle: Cali, along road to Buenaventura, 26 July 1964, *Guzmán 4580* (ENCB)

carpenterianus Singer, 1958e: 70, 71

HOLOTYPE: Peru. Huánuco: Tingo Marca, Cueva de los Pavos, 3 September 1949, *Carpenter 136* (LIL)

carpophilus Singer, 1937: 231

Type information: USSR. Western Caucasus: region Czernoreczie, August 1936, *Vasilieva* (LE?)

castellanoi Singer, 1976a: 99

HOLOTYPE: Brazil. Pará: Estancia Pirelli, 7 June 1966, *Singer B 4199* (BAFC)

caucasicus Singer, 1937: 230

Type information: USSR. Western Caucasus: Mt. Caucasus, August 1936, *Vasilieva* (LE?)

cenospilus Singer, 1982d: 35

HOLOTYPE: Costa Rica. Guanacaste: Parque Nacional Santa Rosa, 25 July 1981, *Gómez & Singer B 12468* (F)

centroamericanus Singer, 1989a: 60

HOLOTYPE: Costa Rica. Alajuela: near Canas-Upala, October 1982, *Gómez 18649* (F)

chiapasensis Singer, 1976a: 73

HOLOTYPE: Mexico. Chiapas: between Finca Sospiro, and El Pozo, 4 August 1969, *Singer M 8969* (F)

chrysoblepharis Singer, 1976a: 237

HOLOTYPE: Mexico. Veracruz: Tlilapa, banks of Río Aserradero, 24 June 1969, *Singer M 8201* (F)

chrysocephalus Singer, 1976a: 144

HOLOTYPE: Bolivia. El Beni: Vaca Diez, below Guayaramerín, 12 March 1956, *Singer B 1936* (LIL)

cibarius Singer, 1976a: 274

HOLOTYPE: Peru. Cuzco: Canal, El Descanso, 5 February 1951, *Vargas 10050* (LIL)

- cladophyllus* var. *glaberripes* Singer, 1976a: 198
HOLOTYPE: Ecuador. Tungurahua: Río Verde, S of Río Pastaza, 28 April 1973, *Singer B* 7160 (F)
- cladophyllus* var. *intermedius* Singer, 1976a: 199
HOLOTYPE: Ecuador. Napo: Sacha 4, 10 May 1973, *Singer B* 7343 (F)
- cohaerens* var. *americanus* Singer, 1976a: 247
HOLOTYPE: USA. Michigan: Cheboygan County, 21 July 1953, *Singer N* 700 (F)
- cohortalis* var. *arenicolor* Singer, 1958e: 92
HOLOTYPE: Argentina. Tucumán: Parque Avellaneda, 26 March 1951, *Singer T* 1445 (LIL). No Latin diagnosis.
- cohortalis* var. *pseudocollinus* Singer & Digilio ex Singer, 1958e: 91
HOLOTYPE: Argentina. Tucumán: Anta Muerta, 26 December 1951, *Singer T* 1667 (LIL). No Latin diagnosis
- conquistensis* Singer, 1965c: 192, 334
HOLOTYPE: Bolivia. Pando: Manuripi, Conquista, 25 March 1956, *Singer B* 2190 (LIL)
- convoluticeps* Singer, 1976a: 173
HOLOTYPE: Brazil. Amazonas: Manaus, Itacoatiara road, 30 January 1963, G. & L. Eiten & Felipe 5254 (F)
- corrugatiformis* Singer, 1964f: 374
HOLOTYPE: Zaire. Forestier Central, 20 km NE de Yambao, no date, *Louis* 15 275 (BR)
- corrugatus* var. *lacustris* Singer, 1976a: 194
Type information: Ecuador. Napo: Lago Agrio (F?). Three collections were listed, but no type were designated: 7 May 1973, *Singer B* 7262, B 7422; 11 May 1973, B 7366.
- corrugatus* var. *portonovens* Singer, 1976a: 195
HOLOTYPE: Brazil. Santa Catarina: Porto Novo, *Rick* 576 (FH). No date given.
- costaricensis* Singer, 1989a: 61
HOLOTYPE: Costa Rica. Heredia: near Puerto Viejo, 22 December 1979, *Lodge* 284 (F)
- crinis-equi* var. *monocotyledonum* Singer, 1976a: 148
Type information: Zaire. Bamanian: Eala, *Staner* C 325 (BR). In mat. stud. Lebrun 3009 (BR) was indicated as type.
- cryptotrichus* Singer, 1976a: 72
HOLOTYPE: Mexico. Morelos: NW of Tepoztlán, 27 June 1969, *Singer M* 8250 (F)
- cuatrecasasii* Singer, 1976a: 191
HOLOTYPE: Colombia. Valle: Río Pance near Cali, 1 May 1968, *Singer B* 6517 (F)
- cuimisedus* Singer in Singer & Digilio, 1951e: 193
HOLOTYPE: Argentina. Tucumán: San Pablo, 29 March 1949, *Singer T* 313 (LIL) [published in 1952]
- cundinamarcae* Singer, 1976a: 102
HOLOTYPE: Colombia. Cundinamarca: Bojacá, Bosque de la Mercedes, 8 April 1968, *Singer B* 6009 (F)
- cyatheae* Singer, 1936g: 157, 158
Type information: USSR. Leningrad: Botanical Gardens, February 1936, *Tranzschel & Singer* LE?
- dauliporpus* Singer, 1989a: 63
HOLOTYPE: Costa Rica. San José: El Empalme, 23 July 1981, *Singer B* 12410 (F)
- dennisii* Singer, 1965c: 306, 335
HOLOTYPE: Trinidad. St. Joseph, 27 September 1949, *Dennis* 42 A (K). No material studied. The description was adapted from Dennis by the author.
- digiloi* Singer in Singer & Digilio, 1951e: 201
HOLOTYPE: Argentina. Tucumán: Sierra de San Javier, 24 April 1949, *Digilio & Singer* [*Singer* no.] T 488 (LIL) [published in 1952]
- ditopotrama* Singer, 1965c: 224, 335
HOLOTYPE: Bolivia. El Beni: Vaca Diez, Guayaramerín, 17 March 1956, *Singer B* 2068 (LIL)
- dodecaphyllus* Singer, 1965c: 159, 335
HOLOTYPE: Bolivia. Pando: Manuripi, Santa Rosa on Río Madre de Dios, 22 March 1956, *Singer B* 2151 (LIL)
- dryinus* Singer, 1990e: 28
HOLOTYPE: Mexico. Morelos: NW of Tepoztlán, 27 June 1969, *Singer M* 8251 (F)
- dysodes* Singer, 1965c: 130, 335
HOLOTYPE: Bolivia. El Beni: Vaca Diez, Guayaramerín, 7 March 1956, *Singer B* 1690 (LIL)
- echinosphaerus* Singer, 1964f: 325
HOLOTYPE: Zaire. Haut-Zaire: Kipushi, Kipopo, no date, *Schmitz-Levecq* 169 (BR)
- elaeocephalus* Singer, 1964f: 384
HOLOTYPE: Zaire. Forestier Central: Yangambi, *Louis* 14 875 (BR)
- ellipsoidosporus* Kumar, Singer, Lakhanpal & Step, 1991b: 227
HOLOTYPE: India. Himachal Pradesh: Simla, Charawara, 8 August 1983, *Kumar* 254 (F 1084722)
- eorotula* Singer, 1976a: 77
HOLOTYPE: Colombia. Valle: Cali, Buenaventura, Campamento Pulpapel, 25 April 1968, *Singer B* 6380 (F)
- epelaus* Singer, 1965c: 266, 335
HOLOTYPE: Bolivia. El Beni: Vaca Diez, Arroyo Florida, 22 km W of Riberalta, 7 April 1956, *Singer B* 3047 (LIL)
- episemus* Singer, 1964f: 365
HOLOTYPE: Zaire. Panzi Kivu, Des Lacs Edouard et Kivu, no date, *Goossens-Fontana* 5091 (BR)

- equicrinis* var. *dicotyledoneus* Singer, 1965c: 198, 336
HOLOTYPE: Argentina. Catamarca: Andalgalá, Río Potrero, 10 February 1952, *Singer T 1854* (LIL)
- equicrinis* var. *rhizomorpogeton* Singer ad int., 1965c: 197, 335
HOLOTYPE: Bolivia. Pando: Madre de Dios, Las Piedras, 5 April 1956, *Singer B 2534* (LIL)
- equicrinis* var. *rhizomorpogeton* f. *arrhizomorphicus* Singer, 1965c: 198, 336
HOLOTYPE: Bolivia. Pando: Las Piedras, 5 April 1956, *Singer B 2518* (LIL)
- eucladopus* Singer, 1965c: 169, 338
HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Carmen Pampa, 26 February 1956, *Singer B 1478* (LIL)
- euosmus* Singer, 1958e: 69
HOLOTYPE: Panama. Zona Canalis: Barro Colorado Island, 24 August 1952, *Martin & Welden 8702* (IA)
- exiguus* Singer, 1969a: 100
HOLOTYPE: Chile. Valdivia: Hueycolla, 1 May 1967, *Singer M 6577* (SGO)
- ferrugineus* var. *gardneri* Singer, 1976a: 223
Type information: Brazil. Minas Gerais, *Gardner* (K: Hooker Herbarium)
- flavus* Singer, 1964f: 344
HOLOTYPE: Zaire. Forestier Central: Eala, no date, *Goossens-Fontana 151* (BR)
- flotowiophilus* Singer, 1965c: 125, 336
HOLOTYPE: Argentina. Río Negro: Nahuel Huapí National Park, Arroyo Blest, 14 March 1959, *Singer M 1790* (LIL)
- foliicola* Singer, 1976a: 158
HOLOTYPE: Argentina. Tucumán: S. M. Tucumán, Garden of the Instituto Miguel Lillo, 10 February 1955, *Singer T 2147* (LIL). See Sydowia 12:205, 1965 for "ad interim"
- fuligineorotula* Singer, 1965c: 174, 336
HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Río Yariza, 16 February 1956, *Singer B 1193* (LIL)
- fusicystis* Singer in Singer & Digilio, 1951e: 187
HOLOTYPE: Argentina. Tucumán: Sierra de San Javier, 2 January 1950, *Singer T 802* (LIL) [published in 1952]
- gomezii* Singer, 1989a: 46
HOLOTYPE: Costa Rica. Alajuela: Alto Berlin, 26 July 1981, *Singer & Gómez [Singer no.] B 12490* (F)
- graminum* var. *schini* Singer ex Singer, 1965c: 204, 336
HOLOTYPE: Argentina. Catamarca: Santa Rosa, Suncho, 20 January 1952, *Singer T 1788* (LIL)
- graminum* var. *subalpinus* Singer, 1965c: 204, 336
HOLOTYPE: Argentina. Tucumán: Taffí del Valle, Quebradita del Mastil, 7 February 1959, *Singer S 159* (LIL)
- grandisetulosus* Singer, 1964f: 379
HOLOTYPE: Zaire. Panzi-Kivu, Des Lacs Edouard et Kivu, no date, *Goossens-Fontana 5076* (BR)
- grandisetulosus* var. *tenuisetulosus* Singer, 1964f: 380
HOLOTYPE: Zaire. Kasai: Kikwit, *Vanderyst 4015* (BR)
- griseofuscescens* Singer, 1976a: 104
HOLOTYPE: Ecuador. Napo: Lago Agrio, 11 May 1973, *Singer B 7361* (F)
- guanacastensis* Singer, 1989a: 64
HOLOTYPE: Costa Rica. Guanacaste: Parque Nacional Santa Rosa, 25 June 1981, *Singer B 12470* (F)
- guyanensis* var. *erythrocephalus* Singer, 1965c: 186, 336
HOLOTYPE: Bolivia. El Beni: Vaca Diez, 3 km below Guayaramerín, 12 March 1956, *Singer B 1876* (LIL)
- guyanensis* var. *guayanensis* Singer, 1965c: 187, 336
HOLOTYPE: Bolivia. El Beni: Vaca Diez, Guayaramerín, 16 March 1956, *Singer B 2014* (LIL)
- guzmanianus* Singer, 1976a: 218
HOLOTYPE: Mexico. México: La Marquesa, Parque Nacional, September 1960, *Guzmán 2601* (ENCB). Isotype: F
- haediniformis* Singer, 1964f: 363
HOLOTYPE: Zaire. Des Lacs Edouard et Kivu, Parc National Albert, environs d'Hoysha, no date, *Frédéricq in de Witte 9432* (BR)
- haematocephalus* var. *atroviolaceus* Singer, 1965c: 300, 337
HOLOTYPE: Bolivia. Pando: Manuripi, Conquista, 25 March 1956, *Singer 2189* (LIL)
- haematocephalus* var. *leucophyllus* Singer, 1976a: 214
HOLOTYPE: Bolivia. La Paz: Charobamba, 30 January 1956, *Singer B 738* (LIL)
- haematocephalus* var. *macrocephalus* Singer, 1965c: 299, 337
HOLOTYPE: Bolivia. El Beni: Vaca Diez, Guayaramerín, 16 March 1956, *Singer B 2045* (LIL)
- haematocephalus* var. *oenechinus* Singer, 1958e: 120
HOLOTYPE: Cuba. Cienfuegos: Soledad, no date, *White* (FH)

haematocephalus var. *pseudotageticolor* Singer, 1958e: 120

HOLOTYPE: Panama. Río Sardinilla, no date, Martin & Bouch 7549 (F, 1A)

haematocephalus var. *purpureomarginatus* Singer, 1965c: 298, 337

HOLOTYPE: Bolivia. El Beni: Vaca Diez, Guayaramerín, 14 March 1956, *Singer B* 1967 (LIL)

haematocephalus var. *rubicundus* Singer, 1965c: 299, 337

HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Charobamba, 30 January 1956, *Singer B* 743 (LIL)

haematocephalus var. *transiens* Singer, 1965c: 300, 337

HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Coroico, 27 January 1956, *Singer B* 592 (LIL)

helvoloides Singer, 1976a: 175

HOLOTYPE: Colombia. Valle: Cali, Buenaventura, Calima, 22 April 1968, *Singer B* 6298a (F)

hemimycena Singer, 1965c: 348

HOLOTYPE: Chile. Valdivia: Cordillera Pelada, 28 March 1963, *Singer M* 3193 (BAFC). Also published in Singer et al., 1965i: 154.

hendecaphyllus Singer, 1989a: 46

HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 21 April 1977, *Singer B* 9783 (INPA)

heterocheilus Singer, 1965c: 328, 337

HOLOTYPE: Bolivia. El Beni: Vaca Diez, Guayaramerín, 17 March 1956, *Singer B* 2076 (LIL)

hexaphyllus Singer, 1989a: 46

HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 10 January 1978, *Singer B* 10513a (INPA)

hiorami var. *austroamericanus* Singer, 1976a: 140

HOLOTYPE: Bolivia. Pando: Madre de Dios, Las Piedras, 5 April 1956, *Singer B* 2499 (LIL)

horridulus Singer, 1986a: 367

HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 12 July 1978, *Sousa & Aguiar [Singer no.] B* 11272 (INPA). Also see Singer, 1989a: 47.

hyalinotrichus Singer, 1965c: 126, 337

HOLOTYPE: Bolivia. El Beni: Vaca Diez, Guayaramerín, 9 March 1956, *Singer B* 1779 (LIL)

hydropodoides Singer, 1989a: 64

HOLOTYPE: Brazil. Amazonas: Road Manaus-Caracará, 15 September 1978, *Silva [Singer no.] B* 11390 (INPA)

hylaeae var. *hylaeae* Singer, 1976a: 230

HOLOTYPE: Ecuador. Napo: Sacha 4 (Sacha Norte), 10 May 1973, *Singer B* 7342 (F)

hylaeae var. *hypsizygus* Singer, 1976a: 231

HOLOTYPE: Ecuador. Napo: Sacha 4 (Norte), 10 May 1973, *Singer B* 7340 (F)

hylaicola Singer, 1976a: 114

HOLOTYPE: Ecuador. Napo: Lago Agrio, 8 May 1973, *Singer B* 7298 (F)

idroboi Singer, 1976a: 115

HOLOTYPE: Colombia. Valle: Cali, Cerro Horqueta, 2 May 1968, *Singer B* 6925 (F)

iguazuensis Singer in Singer & Digilio, 1951e: 189

HOLOTYPE: Argentina. Misiones: Cataratas del Iguazú, 26 November 1949, *Singer & Digilio [Singer no.] M* 84 (LIL). The type information is identical to that of *M. neosessilis* (1958a: 103) and that of *Marasmiellus vinosus* (1953b: 10). See notes under the latter two species. [published in 1952]

ilicis Singer, 1953d: 142

HOLOTYPE: Brazil. Rio Grande do Sul: Taimbesinho, 5 November 1951, *Singer B* 88/iB 88a (LIL)

inundabilis Singer, 1989a: 47

HOLOTYPE: Brazil. Amazonas: Ilha Janauari, 18 March 1983, *Singer and others [Singer no.] B* 12441 (F)

iodactylus Singer, 1989a: 48

HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 29 June 1977, *Singer B* 10032 (INPA)

izonetas Singer, 1989a: 48

HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 8 September 1977, *Aguiar & Singer [Singer no.] B* 10138 (INPA)

janauariensis Singer, 1989a: 49

HOLOTYPE: Brazil. Amazonas: Ilha Janauari, 18 March 1983, *Singer B* 12446 (F)

katangensis Singer, 1964f: 375

HOLOTYPE: Zaire. Haut-Zaire: Kipushi, Kipopo, *Schmitz-Levecq* 315 (BR)

kisangensis Singer, 1964f: 324

HOLOTYPE: Zaire. Haut-Zaire: Keyberg, Kisanga, no date, *Soyer* 127 (BR)

latiusculospermus Singer, 1976a: 267

HOLOTYPE: Mexico. México: Quertaro, 5 km W of Lobo, 26 June 1969, *Guzmán* 1582 (ENCB)

leguminosarum Singer, 1965c: 348

HOLOTYPE: Brazil. Pernambuco: Dois Irmãos, 13 July 1960, *Singer M* 3394 (BAFC)

leoninus var. *aberrans* Singer, 1976a: 189

HOLOTYPE: Mexico. Veracruz: 3 km W Fortín de las Flores, 24 January 1969, *Singer M* 8188 (F)

leoninus var. *griseoferrugineus* Singer, 1965c: 277, 337

HOLOTYPE: Bolivia. El Beni: Vaca Diez, 3 km below Guayaramerín in virgin forest, 12 March 1956, *Singer B* 1919 (LIL)

leoninus var. *olivascenceps* Singer, 1958e: 105
HOLOTYPE: USA. Florida: Highlands County, Highlands Hammock State Park, 5 September 1942, *Singer F 596* (F). No Latin diagnosis

leptus Singer, 1964f: 370

HOLOTYPE: Zaire. Forestier Central: Yangambi, no date, *Louis 14 969* (BR)

leucorotalis Singer, 1965c: 156, 337

HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Río Yariza, 23 February 1956, *Singer B 1414* (LIL)

leucorotalis var. *discopallescens* Singer, 1976a: 103

HOLOTYPE: Argentina. Tucumán: Río Cochuna, 27 February 1952, *Singer T 3772* (LIL)

leucozonites Singer, 1965c: 163, 337

Type information: Argentina. Tucumán: Sierra de San Javier, Ciudad Universitaria, 15 January 1955, *Singer T 2018* (LIL). The specimen was also designated as the type of *Marasmius pluvisalis* Singer (1965c: 163).

leucozonitiformis Singer, 1976a: 106

HOLOTYPE: Colombia. Valle: Dagua, Corr. El Vergel, Finca La Araucana, 14 April 1968, *Singer B 6105 A* (F)

lilacinoalbus var. *albus* Singer, 1964f: 359

HOLOTYPE: Zaire. Bas-Zaire: Binga, no date, *Dubois 1533* (BR)

lilacinoalbus var. *lilacinocarminous* Singer, 1964f: 359

HOLOTYPE: Zaire. Forestier Central: Binga, no date, *Goossens-Fontana 4066* (BR)

linderi Singer, 1948c: 33

HOLOTYPE: Liberia. Memeh Town, 27 August 1926, *Linder 438* (FH)

liquidambari Singer, 1976a: 70

HOLOTYPE: Mexico. Oaxaca: San Agustín, 10 July 1969, *Singer M 8418/8420* (F)

lomatiae Singer, 1969a: 96

HOLOTYPE: Argentina. Neuquén: Nahuel Huapi National Park, Puerto Blest, Los Cántaros, 10 November 1966, *Singer M 6044* (BAFC)

louisii Singer, 1964f: 332

HOLOTYPE: Zaire. Forestier Central: Yangambi, Reserve Isalowe, no date, *Louis 14931* (BR)

maasii Singer, 1989a: 65

HOLOTYPE: Brazil. Amazonas: Road Manaus-Itacoatiara, km 65, *Maas B 10179* (INPA)

macrolobietii Singer, 1964f: 362

HOLOTYPE: Zaire. Forestier Central, 20 km NE of Yambao, no date, *Louis 15 243* (BR)

magnisetulosus Singer, 1976a: 129

HOLOTYPE: Venezuela. Dto. Federal: Parque Nacional El Ávila, 27 February 1972, *Dumont and others VE 6206* (NY)

magnoliae Singer, 1945d: 435

Type information: USA. Florida: Alachua County, Gainesville, *Singer* (FH)

manuripiensis Singer, 1965c: 154, 338

HOLOTYPE: Bolivia. Pando: Manuripi, Conquista, 25 March 1956, *Singer B 2227* (LIL)

marthae Singer, 1958e: 137

HOLOTYPE: Argentina. Tucumán: Garden of the Instituto Lillo, 14 January 1952, *M. Singer [Singer no.] T 1730* (LIL)

marthae var. *paucilamellatus* Singer, 1958e: 138

HOLOTYPE: Argentina. Tucumán, 20 February 1955, *Singer T 2190* (LIL)

matrisdei Singer, 1965c: 259, 338

HOLOTYPE: Bolivia. Pando: Madre de Dios, Las Piedras, 5 April 1956, *Singer B 2523* (LIL)

mazatecus Singer, 1976a: 168

HOLOTYPE: Mexico. Oaxaca: San Andrés Hidalgo, Sierra Mazateca, 8 July 1969, *Singer M 8368* (F)

megalospermus Singer, 1965c: 183, 338

HOLOTYPE: Bolivia. El Beni: Vaca Diez, 3 km below Guayaramerín, 12 March 1956, *Singer B 1927* (LIL)

megistosporus Singer, 1965c: 281, 338

HOLOTYPE: Bolivia. El Beni: Vaca Diez, Guayaramerín, 14 March 1956, *Singer B 1971* (LIL)

melinocephalus Singer, 1965c: 257, 338

HOLOTYPE: Argentina. Tucumán: 5 km S of Burruyacú, 19 February 1957, *Singer 2997* (LIL). See Sydowia 12: 115.

mesocephalus Singer, 1989a: 49

HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 26 December 1977, *Singer B 10411* (INPA)

mesosporus Singer, 1964f: 349

HOLOTYPE: Zaire. Forestier Central: Binga, August, 1947, *Goossens-Fontana 4065* (BR).

mesosporus Singer, 1973c: 469

HOLOTYPE: USA. North Carolina: Hatteras Island, 6 December 1970, *Lucas s.n.* (F)

microdendron Singer, 1965c: 349

HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 19 July 1960, *Singer B 3448* (BAFC)

microhaedinus Singer, 1965c: 260, 338

HOLOTYPE: Bolivia. El Beni: Vaca Diez, Riberalta, 8 April 1956, *Singer B 2578* (LIL)

microrotalis Singer, 1989a: 49

HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 13 July 1977, *Singer B 10104* (F)

minusculus Singer, 1989a: 50

HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 9 February 1978, *Singer B 10649* (INPA)

- misionensis* Singer, 1965c: 190, 338
HOLOTYPE: Argentina. Misiones: Iguazú, Refugio Yaguareté, 16 April 1957, *Singer M 1047* (LIL)
- montagnei* Singer, 1965c: 283, 339
HOLOTYPE: Bolivia. El Beni: Vaca Díez, Guayaramerín, 17 March 1956, *Singer B 2089* (LIL). Also published as *M. montagneanus* Singer in 1976a: 219 based on the same type specimen.
- mundulus* Singer, 1989a: 50
HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 13 July 1977, *Singer B 10092* (INPA)
- munyozii* Singer, 1969a: 100
HOLOTYPE: Chile. Coquimbo: Fray Jorge, 16 March 1967, *Singer M 6517* (SGO)
- myocephalus* Singer, 1976a: 271
HOLOTYPE: Colombia. Valle: Municipalidad Cali, Saladito, 15 April 1968, *Singer B 6152* (F)
- nanorotalis* Singer, 1989a: 51
HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 2 January 1978, *Singer B 10459* (INPA)
- napoensis* Singer, 1976a: 186
HOLOTYPE: Ecuador. Napo: Lago Agrio, 17 May 1973, *Singer B 7519* (F)
- nebularum* Singer, 1965c: 350
HOLOTYPE: Colombia. Boyacá: between Ramiriquí and Rondón, 30 July 1960, *Singer B 3637* (BAFC)
- neglectus* Singer, 1976a: 175
HOLOTYPE: Colombia. Valle: Cali, Buenaventura, along Juanchaco road, 25 April 1968, *Singer B 6381* (F)
- neorotula* Singer, 1989a: 51
HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 20 October 1977, *Singer B 10208* (INPA)
- neosessilis* Singer, 1958a: 103
HOLOTYPE: Argentina. Misiones: Cataratas del Iguazú, 26 November 1949, *Singer & Digilio [Singer no.] M 84* (LIL). This species was also published in Singer, 1958e: 83. The type information is identical to that of *M. iguazuensis* (1951e: 187) and *Maramiellus vinosus* (1953b: 10). Based on Singer's unpublished notebook, however, the description of *M. neosessilis* matches Singer's collection no. *M 57* from Iguazú, collected in 24 November 1949.
- neosessilis* var. *montepiensis* Singer, 1976a: 262
HOLOTYPE: Mexico. Veracruz: 3 km from Montepío, 30 July 1969, *Singer M 8757* (F)
- nephelogenes* Singer, 1990e: 29
HOLOTYPE: Costa Rica. Puntarenas: Bosque Nuboso, Reserva Biológica near Monteverde, 25 July 1986, *Singer B 14453* (F)
- nogalesii* Singer, 1965c: 305, 339
HOLOTYPE: Bolivia. El Beni: Vaca Díez, 7 April 1956, *Singer B 2558* (LIL)
- nothomyrciae* Singer, 1959c: 383, 384
HOLOTYPE: Chile. Juan Fernández Island: Mása Tierra, path up to El Camote, 18 March 1955, *Sparre F 56* (S)
- oaxacanus* Singer, 1958d: 232
HOLOTYPE: Mexico. Oaxaca: Huautla de Jiménez, 10 July 1957, *Singer M 1519* (LIL)
- ochropus* Singer, 1964f: 369
HOLOTYPE: Zaire. Bas-Zaire: Kisanga, no date, *Vanderyst s.n.* (BR)
- oleiger* Singer, 1965c: 293, 339
HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Río Llolosa, 31 January 1956, *Singer B 776* (LIL)
- oligocystis* Singer, 1958e: 73, 75
HOLOTYPE: Brazil. Paraná: near Paranaguá, September 1952, *Singer B 403* (F)
- olivascenceps* Singer, 1976a: 180
HOLOTYPE: USA. Florida: Highlands County, Highlands Hammock State Park, 5 September 1942, *Singer F 596* (F). See Sydowia 12: 105, 1958 for "ad interim"
- onoticus* Singer, 1976a: 169
HOLOTYPE: Argentina. Tucumán: Burruyacú, 5 km S of town, 19 February 1957, *Singer T 2995* (LIL). This species was invalidly published in Singer, 1965c: 252.
- pacificus* Singer, 1969a: 95
HOLOTYPE: Chile. Valdivia: Hueycolla, 4 May 1967, *Singer M 6707* (SGO)
- pallenticeps* Singer, 1976a: 127
HOLOTYPE: Argentina. Misiones: Frontera, Manuel Belgrano near San Antonio, 19 April 1957, *Singer M 1123* (LIL)
- pallidocinctus* var. *latisporus* Singer, 1976a: 157
HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Coroico, 29 January 1956, *Singer B 535* (LIL)
- pallidocinctus* var. *pallidocinctus* Singer, 1976a: 156
HOLOTYPE: Venezuela. Dto. Federal: Mt. La Niguata, above La Planta, 25 June 1971, *Dumont and others VE 701* (NY)
- panamensis* Singer, 1976a: 96
HOLOTYPE: Panama. Zona Canalis: Barro Colorado Island, 15-16 August 1952, *Martin & Welden 8733* (F)
- pandoanus* Singer, 1965c: 153, 339
HOLOTYPE: Bolivia. Pando: Manuripi, Santa Rosa on Río Madre de Dios, 22 March 1956, *Singer B 2145* (LIL)
- panerythrus* Singer, 1965c: 303, 339
HOLOTYPE: Bolivia. El Beni: Vaca Díez, Guayaramerín, 6 March 1956, *Singer B 1609* (LIL)

pararotula Singer, 1965c: 140, 340

HOLOTYPE: Bolivia. El Beni: Vaca Diez, Guayaramerín, 12 February 1956, *Singer B 1886* (LIL)

paulensis Singer, 1976a: 255

HOLOTYPE: Brazil. São Paulo: Reserva Florestal, 10 km N of São Paulo, 17 December 1964, *Singer B 4099* (BAFC)

perlongispermus Singer, 1976a: 264

HOLOTYPE: Colombia. Cauca: road to sulphur mine at Puracé, 30 April 1968, *Singer B 6489* (F)

perrarius Singer, 1989a: 51

HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 11 May 1977, *Singer B 9856* (INPA)

perreductus Singer, 1978h: 22

HOLOTYPE: Ecuador. El Oro, 14 km from Pinas towards Machala on the Arenillas-Loja road, *Dumont and others EC 1636* (NY, F)

phaeocystis Singer, 1976a: 221

HOLOTYPE: Argentina. Misiones: Arroyo Piray Guazú, 24 February 1960, *Gerrero 61* (LIL)

pichinchensis Singer, 1989a: 55

HOLOTYPE: Ecuador. Pichincha: 24 km from section of Quito-Machachi road, 7 August 1975, *Dumont EC 2368* (NY)

pilgerodendri Singer, 1965c: 124, 341

HOLOTYPE: Argentina. Río Negro: Nahuel Huapí National Park, near Puerto Blest, 15 March 1959, *Singer M 1812* (LIL)

platyspermus Singer in Singer & Digilio, 1951e: 215

HOLOTYPE: Argentina. Tucumán: Sierra de San Javier, 12 March 1949, *Singer T 203* (LIL) [published in 1952]

platyspermus f. *scandens* Singer, 1965c: 161, 341

HOLOTYPE: Argentina. Tucumán: Sierra de San Javier, Ciudad Universitaria, 24 March 1960, *Singer T 3591* (LIL). Also see 1976a: 111

pleuracanthus Singer, 1965c: 313, 341

HOLOTYPE: Bolivia. El Beni: Vaca Diez, 3 km below Guayaramerín in virgin forest, 12 March 1956, *Singer B 1920* (LIL)

pleurotelloides Singer, 1976a: 263

HOLOTYPE: Brazil. Pará: Estancia Pirelli, 7 June 1966, *Singer B 4240* (BAFC)

pluvialis Singer, 1965c: 163, 341

HOLOTYPE: Argentina. Tucumán: Sierra de San Javier, Ciudad Universitaria, 15 January 1955, *Singer T 2018* (LIL). The specimen was also designated as the type of *Marasmius leucozonites* Singer (1965c: 163).

podocarpi Singer in Sing & Digilio, 1951e: 188

HOLOTYPE: Argentina. Tucumán: Cerro Alto del Taficillo, 4 March 1951, *Singer T 1345* (LIL) [published in 1952]

polychaetopus Singer, 1965c: 129, 341

HOLOTYPE: Chile. Llanquihué: Lago Todos los Santos, Puella, 20 March 1959, *Singer M 1883* (LIL)

polycladoides Singer, 1989a: 52

HOLOTYPE: Panama. San Blas, Puerto Obaldia Darien, 22 June 1975, *Dumont PA 914* (NY)

polycystis Singer, 1976a: 254

HOLOTYPE: Bolivia. La Paz: Nor-Yungas, 26 February 1956, *Singer B 1499* (F)

polylepidis var. *jujuyensis* Singer, 1989a: 58

HOLOTYPE: Argentina. Jujuy: Lagunas de Yala, 16 February 1966, *Singer T 5202* (F)

poromycenoides Singer, 1965c: 226, 342

HOLOTYPE: Peru. Loreto: Río Nanya, 31 October 1958, *Lowy 365* (LIL)

praeandinus Singer, 1965c: 353

HOLOTYPE: Argentina. Tucumán: Sierra de San Javier, 8 March 1961, *Singer T 3668* (LIL)

praecox Singer, 1958e: 140

HOLOTYPE: Argentina. Tucumán: Yerba Buena Taff and Viejo, 20 January 1955, *Singer T 2033* (LIL)

praecox f. *aurantiicolor* Singer, 1965c: 201, 340

HOLOTYPE: Argentina. Tucumán: Taff del Valle, Parque Aconquija, 17 February 1955, *Singer T 2180* (LIL)

praecox f. *rubroumbonatus* Singer, 1965c: 202

HOLOTYPE: Argentina. Tucumán: Taff del Valle, Parque Aconquija, 12 March 1949, *Singer T 208* (LIL)

praegrandispermus Singer, 1989a: 52

HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 23 June 1977, *Singer B 9993* (INPA)

pseudocorrugatus Singer, 1965c: 311, 340

HOLOTYPE: Bolivia. El Beni: Vaca Diez, Guayaramerín, 16 March 1956, *Singer B 2049* (LIL)

pseudocupressiformis Singer, 1989a: 53

HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 2 March 1978, *Singer B 10743* (INPA)

pseudocupressiformis var. *alboflavescens* Singer, 1989a: 53

HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 9 February 1978, *Singer B 10620* (INPA)

pseudocupressiformis var. *atripes* Singer, 1989a: 54

HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 20 October 1977, *Singer B 10223* (INPA)

pseudocupressiformis var. *conspicuus* Singer, 1989a: 53

HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 10 January 1978, *Singer 10514* (INPA)

- pseudocupressiformis* var. *hendecaphyllophorus* Singer, 1989a: 53
HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 29 February 1978, *Singer B 10665* (INPA)
- pseudocupressiformis* var. *intermedius* Singer, 1989a: 53
HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 2 March 1978, *Singer B 10764* (INPA)
- pseudominutus* Singer, 1989a: 56
HOLOTYPE: Panama. Panamá: 2-3 km N of El Llano-Carti Rd., 29 June 1975, *Dumont P 1488* (NY)
- pseudoniveus* Singer, 1965c: 328, 340
HOLOTYPE: Bolivia. El Beni: Vaca Diez, 7 March 1956, *Singer 1648* (LIL)
- pseudoniveus* var. *amylocystis* Singer, 1976a: 245
HOLOTYPE: Colombia. Valle: Cali, Buenaventura, Calima, 22 April 1968, *Singer B 6297* (F)
- psychotriophilus* Singer, 1965c: 350
HOLOTYPE: Brazil. Rio de Janeiro: Serra dos Orgãos, 24 October 1961, *Singer B 4029* (BAFC)
- pusio* var. *graminivorus* Singer, 1976a: 201
HOLOTYPE: Argentina. Jujuy: Lagunas de Yala, 13 February 1965, *Singer T 4058* (F)
- pusio* var. *poliobasis* Singer, 1965c: 280, 342
HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Charobamba, 30 January 1956, *Singer B 722* (LIL)
- puttemansii* var. *oligocladus* Singer, 1976a: 142
HOLOTYPE: Bolivia. El Beni: Vaca Diez, Riberalta, 29 March 1956, *Singer B 2330* (LIL). Invalidly published as *Marasmius oligocladus* Singer in 1965c: 190 based on the same specimen.
- puttemansii* var. *subtrichorrhizus* Singer, 1965c: 352
HOLOTYPE: Brazil. Pernambuco: Camaragibe, 7 July 1960, *Singer B 3251b* (BAFC)
- radicellicola* Singer, 1976a: 74
HOLOTYPE: Brazil. Pernambuco: Dois Irmãos, 14 April 1964, *Singer B 4078* (F)
- rhododendri* Singer, 1947c: 224
Type information: Spain. Catalonia: Port of Bon-aigua, June 1934. The species was invalidly published in Singer, 1936d: 77.
- riparius* Singer in Singer & Digilio, 1951e: 198
HOLOTYPE: Argentina. Tucumán: Quebrada de Lules, 18 February 1951, *Singer T 1244* (LIL) [published in 1952]
- robertsonii* Singer, 1965c: 199, 342
HOLOTYPE: Bolivia. El Beni: Vaca Diez, Riberalta, 30 March 1956, *Singer B 2349* (LIL)
- rotaliformis* Singer, 1982d: 43, 44
HOLOTYPE: Costa Rica. Puntarenas: Monte-verde, Monteverde Cloud Forest Reserve, Chomogo trail, December 1979, *Lodge 305* (F)
- ruber* Singer, 1965c: 263, 342
HOLOTYPE: Bolivia. El Beni: Vaca Diez, Guayaramerín, 7 March 1956, *Singer B 1638* (LIL)
- rubromarginatus* var. *albilamellatus* Singer, 1989a: 54
HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 18 May 1977, *Singer B 9663* (INPA)
- rufomarginatus* Singer, 1958e: 134
HOLOTYPE: USA. Florida: Dade County, Simpson Park, October 1942, *Singer F 1219* (FH)
- ruforotula* Singer, 1948c: 34
HOLOTYPE: USA. Florida: Dade County, Matheson Hammock, 3 November 1942, *Singer F 1456* (FH)
- sanctixaverii* Singer, 1965c: 139, 342
HOLOTYPE: Argentina. Tucumán: Sierra de San Javier, Ciudad Universitaria, 20 December 1958, *Singer T 3156* (LIL)
- sanguirotalis* Singer in Singer & Digilio, 1951e: 192
HOLOTYPE: Argentina. Tucumán: Quebrada de Lules, 18 February 1951, *Singer T 1240* (LIL) [published in 1952]
- schultesii* Singer, 1976a: 131
HOLOTYPE: Colombia. Amazonas: Soratama, Río Apaporis, between Río Pacoa & Río Kan-anari, 3 July 1951, *Schultes & Cabrera 12869* (F)
- scleronematis* Singer, 1989a: 54
HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 20 October 1977, *Singer B 10209* (INPA)
- scotophysinus* Singer, 1965c: 135, 342
HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Cerro Uchumachi, 25 February 1956, *Singer B 1444* (LIL)
- scototephrodes* Singer, 1976a: 105
HOLOTYPE: Mexico. Oaxaca: Rancho del Cura, 7 July 1969, *Singer M 8299* (F)
- sejunctus* Singer, 1976a: 260
HOLOTYPE: Bolivia. La Paz: Nor-Yungas, gorge near San Jeronimo, 7 February 1956, *Singer B 980* (F)
- sessiliaffinis* Singer, 1958e: 81, 82
HOLOTYPE: Panama. Zona Canalis: Barro Colorado Island, 11 July 1952, *Martin & Welden 7606* (IA, F)
- setulosifolius* Singer, 1965c: 312, 343
HOLOTYPE: Bolivia. El Beni: Vaca Diez, Guayaramerín, 7 March 1956, *Singer B 1649* (LIL)

- shideiae* Singer, 1989a: 61
HOLOTYPE: Japan. Kyoto: Yamashina-ku, 24 August 1983, *Shidei M 645* (F)
- sibiricus* Singer, 1943a: 127
Type information: USSR. Siberia through Altai Mtns., September.
- silvicola* Singer in Singer & Digilio, 1951e: 199
HOLOTYPE: Argentina. Tucumán: Sierra de San Javier, 14 April 1951, *Singer T 1479* (LIL) [published in 1952]
- sphaerodermatoides* Singer, 1989a: 56
HOLOTYPE: Argentina. Buenos Aires: Parque Pereyra, 20 June 1962, *Horak & Singer [Singer no.] S 201* (BAFC)
- spiculosus* Singer, 1965c: 314, 343
HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Río Yariza, 16 February 1956, *Singer B 1206* (LIL)
- spinosissimus* Singer, 1950c: 193
HOLOTYPE: Argentina. Tucumán: Sierra de San Javier, Anta Muerta, 27 March 1949, *Singer T 298* (LIL, MICH)
- subarborescens* Singer, 1964f: 364
HOLOTYPE: Zaire. Forestier Central: Eala, no date, *Goossens-Fontana 113* (BR)
- submarginatus* Singer, 1989a: 62
HOLOTYPE: USA. Illinois: White Pine State Park, 1 September 1975, *Singer N 7539* (F)
- subruforotula* Singer, 1964f: 339
Type information: Zaire. Forestier Central: Eala.
- tanyspermus* Singer, 1965c: 157, 343
HOLOTYPE: Bolivia. El Beni: Vaca Diez, Guayaramerín, 16 March 1956, *Singer B 2052* (LIL)
- tasmaniensis* Singer, 1989a: 58
HOLOTYPE: Australia. Tasmania: near Florentina River, 27 January 1977, *Engel 13629* (F)
- tenuiparietalis* Singer, 1969a: 99
HOLOTYPE: Argentina. Neuquén: Nahuel Huapi National Park, above Puerto Manzano, 26 June 1964, *Singer M 3563* (BAFC)
- tephromelanus* Singer, 1989a: 62
HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 3 June 1977, *Singer B 9913* (INPA)
- tereticeps* Singer, 1965c: 170, 343
HOLOTYPE: Bolivia. Pando: Madre de Dios, Santa Teresa, 28 March 1956, *Singer B 2299* (LIL)
- terraefirmae* Singer, 1989a: 54
HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 20 February 1978, *Singer B 10690* (INPA)
- tetrachrous* Singer, 1965c: 171, 343
HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Carmen Pampa, 26 February 1956, *Singer B 1528* (LIL). The species epithet was also spelled "tetrachroinus."
- trichorhizus* var. *pallenticeps* Singer, 1965c: 178
HOLOTYPE: Argentina. Misiones: Frontera, Manuel Belgrano near San Antonio, 19 April 1957, *Singer M 1123* (LIL). nom. nud. No Latin diagnosis.
- trinitatis* var. *immarginatus* Singer, 1965c: 266, 344
HOLOTYPE: Bolivia. El Beni: Vaca Diez, 3 km below Guayaramerín, 12 March 1956, *Singer B 1883* (LIL)
- truncorum* Singer, 1989a: 58
HOLOTYPE: Brazil. Amazonas: Ponta Negra, 2 July 1978, *Singer B 11267* (INPA)
- truncorum* var. *ramorum* Singer, 1989a: 59
HOLOTYPE: Costa Rica. San José: El Empalme, 25 July 1981, *Singer B 12416* (F)
- tucumanus* Singer in Singer & Digilio, 1951e: 206
HOLOTYPE: Argentina. Tucumán: Sierra de San Javier, 14 April 1951, *Singer T 1460* (LIL) [published in 1952]
- ustilago* Singer, 1965c: 215, 344
HOLOTYPE: Bolivia. El Beni: Vaca Diez, 3 km below Guayaramerín, 12 March 1956, *Singer B 1870* (LIL)
- valdivianus* Singer, 1969a: 101
HOLOTYPE: Chile. Valdivia: Cuesta Santa Elvira, 14 May 1967, *Singer M 6897* (SGO)
- variabiliceps* Singer, 1965c: 165, 344
HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Carmen Pampa, 26 February 1956, *Singer B 1531* (LIL)
- variabiliceps* var. *derubricans* Singer, 1965c: 168, 344
HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Río Yariza, 23 February 1956, *Singer B 1395* (LIL)
- variabiliceps* var. *heptachroinus* Singer, 1965c: 167, 344
HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Carmen Pampa, 26 February 1956, *Singer B 1529* (LIL)
- variabiliceps* var. *mesites* Singer, 1965c: 166, 344
HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Río Yariza, 16 February 1956, *Singer B 1210* (LIL)
- variabiliceps* var. *nothotereticeps* Singer, 1965c: 168, 344
HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Río Yariza, 23 February 1956, *Singer B 1411* (LIL)
- variabiliceps* var. *separatus* Singer, 1965c: 167, 344
HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Carmen Pampa, 26 February 1956, *Singer B 1547* (LIL)

variabiliceps var. *tucumanensis* Singer, 1965c:

166, 344

HOLOTYPE: Argentina. Tucumán: Chicligasta, Río Cochuna, 20 February 1951, *Singer T 1290* (LIL)

ventalloi Singer, 1947c: 225

Type Information: Spain. Catalonia: Prat de Llobregat, 1934.

ventallonii Singer, 1936d: 77

Type information: Spain. Catalonia, October 1934. No Latin diagnosis.

vergeliensis Singer, 1976a: 98

HOLOTYPE: Colombia. Valle: Dagua, Corr. El Vergel., 27 April 1968, *Singer B 6426* (F)

vigintifolius Singer, 1965c: 164, 345

HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Coroico, 4 February 1956, *Singer B 871* (LIL)

violeorotalis Singer, 1976a: 107

HOLOTYPE: Colombia. Valle: near Dagua road above km 25, 28 April 1968, *Singer B 6450* (F)

witteanus Singer, 1964f: 354

HOLOTYPE: Zaire. Des Lacs Edouard et Kivu, Environs de Kalonge, pres de la riv. Katavuleko, no date, *Frédéricq in de Witte 8934* (BR)

xerampelinus Singer, 1976a: 138

HOLOTYPE: Mexico. Chiapas: between Finca Sospiro, and El Pozo, 4 March 1969, *Singer M 8961* (F)

xerophyticus Singer, 1965c: 184, 345

HOLOTYPE: Argentina. Salta: Gemes, lower part of Quebrada de Yaquiassme, 7 February 1957, *Singer T 2948* (LIL)

xestocephalus Singer, 1964f: 367

HOLOTYPE: Zaire. Forestier Central: Yangambi, no date, *Louis 14 938* (BR)

xylodendron Singer, 1989a: 55

HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 20 October 1977, *Singer B 10216* (INPA)

yalae Singer, 1976a: 65

HOLOTYPE: Argentina. Jujuy: Lagunas de Yala, 13 February 1966, *Singer T 5131* (F)

yangambiensis Singer, 1964f: 335

HOLOTYPE: Zaire. Forestier Central: Ile Esali, opposite of Yangambi, no date, *Louis 7091* (BR)

yarizae Singer, 1965c: 308, 345

HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Río Yariza, 23 February 1956, *Singer B 1369* (LIL)

MARTELLIA

albella Singer & Smith, 1960h: 38

HOLOTYPE: Argentina. Río Negro: Nahuel Huapi National Park, Puerto Blest, 17 February 1960, *Singer M 3024* (LIL)

brunnescens Singer & Smith, 1960h: 37

HOLOTYPE: USA. Oregon: Linn County, 31 May 1939, *Doty s.n.* (NY)

californica Singer & Smith, 1960h: 33

HOLOTYPE: USA. California: Guadeloupe, 9 April 1919, *Parks 524* (NY)

fallax Singer & Smith, 1960h: 34

HOLOTYPE: USA. California: Guadeloupe Mines, no date, *Parks Z-253* (NY)

foetens Singer & Smith, 1960h: 36

HOLOTYPE: USA. Idaho: Idaho County, 10 August 1958, *Smith 59864* (MICH)

idahoensis Singer & Smith, 1960h: 43

HOLOTYPE: USA. Idaho: Idaho County, August 1958, *Smith 60161* (MICH)

maculata Singer & Smith, 1960h: 28

HOLOTYPE: USA. Oregon: Comstock County, 6 November 1937, *Zeller 8349* (NY)

occidentalis Singer & Smith, 1960h: 42

HOLOTYPE: USA. California: Saratoga, 23 March 1919, *McMurphy 272* (NY)

parksii Singer & Smith, 1960h: 32

HOLOTYPE: USA. Oregon, Comstock County, 6 November 1937, *Zeller 8362* (NY)

subfulva Singer & Smith, 1960h: 35

HOLOTYPE: USA. Oregon: Clackamas County, 16 June 1939, *Gilkeys s.n.* (NY)

thaxteri Singer, 1969a: 357

HOLOTYPE: Argentina. Río Negro: Laguna Frías and Paso de las Nubes, 24 March 1963, *Singer M 3183* (BAFC)

variabilispora Singer & Smith, 1960h: 27

HOLOTYPE: USA. Oregon: Benton County, 4 October 1948, *Smith s.n.* (NY)

vesiculosa Singer & Smith, 1960h: 29

HOLOTYPE: USA. Oregon: Comstock County, 20 October 1937, *Zeller 8323* (NY)

MELANOLEUCA

brevispora Singer, 1954b: 115, 116

HOLOTYPE: Argentina. Neuquén: Nahuel Huapi, Cerro Otto, 12 May 1952, *Singer M 491* (LIL)

catalaunica Singer, 1935a: 124

Type information: Spain. Catalonia: Encantats, upper Pyrenees Mtns., July.

crassotunicata Singer, 1943a: 56

Type information: USSR-China. Mt. Tian Shan.

cremeospora Singer, 1989a: 20

HOLOTYPE: Argentina. Tucumán: Sierra de San Javier, 9 March 1961, *Singer T 3684* (F)

longispora Singer, 1952c: 206

HOLOTYPE: Argentina. Tierra del Fuego: Río Grande, Estancia Nueva Argentina, 15 February 1950, *Singer M 281* (LIL)

- luteolosperma* var. *styptica* Singer, 1969a: 67
HOLOTYPE: Argentina. Neuquén: Puerto Manzano, 5 April 1963, *Singer M 3270* (BAFC)
- mackleri* Singer, 1989a: 20
HOLOTYPE: USA. California: Placerito Canyon State Park, 14 February 1982, *Singer N 5018* (F)
- melanosarx* Singer, 1954b: 114, 115
HOLOTYPE: Argentina. Neuquén: Nahuel Huapi National Park, Quettrihué, 15 May 1952, *Singer M 646* (LIL)
- myceniformis* Singer, 1969a: 67
HOLOTYPE: Chile. Valdivia: Cordillera Pelada, Chivería, 10 May 1965, *Singer M 5703* (BAFC)
- sparrei* Singer, 1953b: 5
HOLOTYPE: Argentina. Catamarca, between Minas Capillitas and Cerro Negro, 3 March 1952, *Sleumer & Sparre [Singer no.] T 1923* (LIL)
- tucumanensis* Singer in Singer & Digilio, 1951e: 100
HOLOTYPE: Argentina. Tucumán: Tafi del Valle, 10-18 February 1950, *Singer T 844* (LIL) [published in 1952]
- xavierii* Singer, 1989a: 21
HOLOTYPE: Argentina. Tucumán: Sierra de San Javier, 9 March 1961, *Singer T 3682* (F)

MELANOMPHALIA

- argipoda* Singer, 1975b: 242
HOLOTYPE: Ecuador. Napo: Lago Agrio, 11 May 1973, *Singer B 7365* (F)
- baeospora* Singer, 1973d: 93
HOLOTYPE: Colombia. Valle: Cali, Buenaventura, 19 April 1968, *Singer B 6231* (F)
- columbiana* Singer, 1971d: 456
HOLOTYPE: Colombia. Boyacá: Arcabuco, 29 July 1960, *Singer B 3587* (SGO)
- cortinarioides* Singer, 1971d: 450
HOLOTYPE: Argentina. Neuquén: Nahuel Huapi National Park, Puerto Blest, Los Cántaros, 10 November 1966, *Singer M 6054* (BAFC)
- dwyeri* Singer, 1971d: 452
HOLOTYPE: New Guinea. Admin. Australia. Río Wahgi Valley, no date, *Dwyer 1726* (K)
- emarginata* Singer, 1971d: 459
HOLOTYPE: Chile. Valdivia: Cordillera Pelada, 6 May 1967, *Singer M 6746* (SGO)
- globulifera* Singer, Ovrebo & Lewis, 1990g: 48
HOLOTYPE: USA. Mississippi: Perry County, Black Creek Area, 22 July 1988, *Ovrebo 2682* (F)
- hymenocephala* Singer, 1973d: 93
HOLOTYPE: Mexico. Veracruz: near Montepío, 20 June 1969, *Singer M 8092* (F)

- inocyboides* Singer, 1971d: 461
HOLOTYPE: Chile. Valdivia: 25 km S toward Unión, 12 September 1967, *Singer M 7768* (SGO)
- leucocephala* Singer, 1989a: 119
HOLOTYPE: Costa Rica. San José: San Gerardo de Dota, 3 August 1981, *Singer B 12656* (F)
- mazatecorum* Singer, 1973d: 94
HOLOTYPE: Mexico. Oaxaca: Sierra Mazateca, 9 July 1969, *Singer M 8385* (F)
- pacifica* Singer, 1971d: 463
HOLOTYPE: Chile. Llanquihué: 10 km N of Colaco, 9 May 1967, *Singer M 6807* (SGO)
- platyphylla* Singer, 1971d: 454
HOLOTYPE: Chile. Valdivia: Hueycolla, 4 May 1967, *Singer M 6727* (SGO)
- universitaria* Singer, 1971d: 452
HOLOTYPE: Brazil. Pernambuco: Dois Irmãos, 13 July 1960, *Singer B 3387* (BAFC)
- vernifera* Singer, 1971d: 449
HOLOTYPE: Chile. Llanquihue: Osorno, Lago Puyehue, 14 September 1967, *Singer M 7523* (SGO)
- viscosa* Singer, 1971d: 447
HOLOTYPE: Chile. Llanquihue: Volcán Osorno, west slope, 12 May 1967, *Singer M 6857* (SGO)

MELANOTUS

- brevisporus* Singer, 1978h: 57
HOLOTYPE: Ecuador. Tungurahua: Puyo, 16 April 1973, *Singer B 7130* (F)
- decapitatus* Singer, 1989a: 109
HOLOTYPE: Venezuela. Miranda: La Silla, 18 June 1971, *Dumont VE 135* (NY)
- dumontii* Singer, 1989a: 110
HOLOTYPE: Colombia. Cundinamarca: between Fomenque and Calera, 10 July 1974, *Dumont and others [Dumont no.] CO 1008* (F)
- heteroloma* Singer, 1989a: 110
HOLOTYPE: Bolivia. La Paz: Nor-Yungas, 4 February 1956, *Singer B 867* (BAFC)
- matrisdei* Singer, 1989a: 111
HOLOTYPE: Bolivia. Amazonas: Pando, 28 March 1956, *Singer B 2313* (BAFC)
- musacearum* Singer, 1989a: 111
HOLOTYPE: Brazil. Bahia: Urucuca, 8 June 1978, *Singer B 11144* (INPA)
- patagonicus* Singer, 1969a: 258
HOLOTYPE: Argentina. Neuquén: Puerto Manzano, 17 March 1963, *Singer M 3060* (BAFC)
- poliocephalus* Singer, 1978h: 58
HOLOTYPE: Ecuador. Napo: Shushufindi, 13 May 1973, *Singer B 7391* (F)

polylepidis Singer, 1973d: 84

HOLOTYPE: Argentina. Jujuy: Lagunas de Yala, 16 February 1966, *Singer T 5215* (F)

MICROMPHALE

austrochilense Singer, 1969a: 84

HOLOTYPE: Chile. Valdivia: Hueycolla, 1 May 1967, *Singer M 6687* (SGO)

griseum Singer, 1973d: 22

HOLOTYPE: Mexico. Veracruz: near Montepío, 30 July 1969, *Singer M 8752* (F)

latisporum Singer, 1973d: 23

HOLOTYPE: Colombia. Cauca: above Totorá, Páramo Gabriel López, San Pedro, 5 May 1968, *Singer B 6983* (F)

macrosporum Singer, 1973d: 24

HOLOTYPE: Brazil. Acre: Municipalidad Madureira, 7 October 1968, *Prance and others 7896* (F, NY)

occidentale Singer, 1973d: 24

HOLOTYPE: Colombia. Valle: western Cordillera, 2 May 1968, *Singer B 6902* (F)

separatum Singer, 1973d: 25

HOLOTYPE: Mexico. Chiapas: between Sospiro and El Pozo, 4 August 1969, *Singer M 8943a* (F)

tomentosum Singer, 1965e: 35

HOLOTYPE: Brazil. Pernambuco: Sao Lourenço, 16 July 1960, *Singer B 3411* (BAFC)

MICROPSALLIOTA

cinnamomeopallida Singer, 1982d: 37

HOLOTYPE: Costa Rica. Guanacaste: Parque Nacional Santa Rosa, 25 July 1981, *Gómez & Singer B 12460* (F)

purpurea Singer, 1978h: 48

HOLOTYPE: Ecuador. Napo: Sacha Norte, Sacha 4, 10 May 1973, *Singer B 7354* (F)

MNIOPETALUM

bisporum Singer ex Singer, 1966a: 10

HOLOTYPE: Argentina. Tucumán: Taff del Valle, Quebradita del Mastil, 25 April 1959, *Guerrero, Singer T 3335* (LIL, BAFC)

megalosporum Singer, 1969a: 87

HOLOTYPE: Chile. Valdivia, Fundo Universitario, 13 September 1967, *Singer M 7404* (SGO)

MYCENA

abieticola Singer, 1973d: 37

HOLOTYPE: Mexico. Dto. Federal, near San Pedro, 16 July 1969, *Singer MA 33* (F)

aconquijensis Singer, 1959b: 382

HOLOTYPE: Argentina. Tucumán: Taficillo, 23 February 1955, *Singer T 2205* (LIL)

adonis var. *variegata* Singer, 1947c: 226

Type information: Spain. Catalonia: Salardú, 1934.

aequatorialis Singer, 1978h: 27

HOLOTYPE: Ecuador. Napo: Lago Agrio, 14 May 1973, *Singer B 7418* (F)

agloea Singer, 1989a: 69

HOLOTYPE: Brazil. Amazonas: Road Manaus-Caracaraí, km 45, 25 July 1977, *Singer B 10124* (INPA)

algeriensis var. *hypoxera* Singer, 1969a: 139

HOLOTYPE: Chile. Valdivia: Cordillera Pelada, 7 May 1965, *Singer M 5593* (BAFC)

algeriensis var. *peraffinis* Singer, 1969a: 139

HOLOTYPE: Chile. Valdivia: Cordillera Pelada, E slope, 7 May 1967, *Singer M 6781* (SGO)

amazonica Singer, 1983c: 112

HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 23 March 1978, *Singer B 10826* (INPA)

aosma Singer, 1973d: 37

HOLOTYPE: Brazil. Pará: Belem, 10 June 1966, *Singer B 4265* (BAFC)

araujae Singer, 1983c: 114

HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 26 December 1977, *Singer B 10414* (INPA)

asterophora Singer, 1983c: 114

HOLOTYPE: Ecuador. Napo: Shushufindi, 15 May 1973, *Singer B 7466* (F)

atroincrustedata Singer, 1969a: 132

HOLOTYPE: Argentina. Neuquén: Lago Correntoso, 25 April 1965, *Singer M 3519 a* (BAFC)

austroalcalina Singer, 1959b: 384

HOLOTYPE: Argentina. Tucumán: Río de los Sosas, 4 February 1955, *Singer T 2122* (LIL)

austroavenacea Singer, 1969a: 115

HOLOTYPE: Argentina. Río Negro: Laguna Frías, 21 March 1963, *Singer M 3125* (BAFC)

austrocapillaris Singer, 1959c: 391

HOLOTYPE: Chile. Juan Fernández Island: Mása Tierra, Quebrada Piedra Agujereada, 12 March 1955, *Sparre F 36* (S). Isotype: LIL?

austrororida Singer, 1959c: 393, 394

HOLOTYPE: Chile. Juan Fernández Island: Mása Tierra, Lower Quebrada Pangal, 24 March 1955, *Sparre F 66* (S)

biornata Singer, 1973d: 38

HOLOTYPE: Brazil. Pará: Belém, 10 July 1966, *Singer B 4267* (BAFC)

biornata var. *manausensis* Singer, 1983c: 114

HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 21 July 1977, *Singer B 9785* (INPA)

- blechnophila* Singer, 1965i: 156
HOLOTYPE: Chile. Valdivia: Cordillera Pelada, 28 March 1963, *Singer M 3208* (BAFC)
- caesiocana* Singer, 1969a: 110
HOLOTYPE: Chile. Santiago: near Ranque, 6 July 1967, *Singer M 7156* (SGO)
- carminis* Singer, 1973d: 39
HOLOTYPE: Bolivia. La Paz: Nor-Yungas, 1 February 1956, *Singer s.n.* (LIL)
- castaneomarginata* Singer, 1989a: 70
HOLOTYPE: Brazil. Amazonas: Road Manaus-Caracará, km 45, 6 November 1977, *Freire [Singer no.] B 10268* (INPA)
- castaneostipitata* Singer, 1989a: 70
HOLOTYPE: Costa Rica. Alajuela: Alto Berlin, 26 July 1981, *Singer B 12493* (F)
- chlorinosma* Singer, 1937: 232
HOLOTYPE: USSR. Leningrad: Botanical Gardens, May 1937 (LE?)
- chloroxantha* Singer, 1983c: 114
HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 23 March 1978, *Singer B 10836* (INPA)
- chrysocorypha* Singer, 1938a: 197
HOLOTYPE: USSR. Oiroitia: Kuraiski Khrebet, 19 August 1937, *Singer* (LE?)
- chusqueophila* Singer, 1965i: 159
HOLOTYPE: Chile. Valdivia: Cordillera Pelada, 28 March 1963, *Singer M 3202* (BAFC)
- cnaphocystis* Singer, 1989a: 70
HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 15 December 1977, *Singer B 10317* (INPA)
- costaricensis* Singer, 1982d: 41
HOLOTYPE: Costa Rica. Guanacaste: Parque Nacional Santa Rosa, 25 July 1981, *Gómez & Singer B 12479 a* (F)
- cyanella* Singer, 1969a: 110
HOLOTYPE: Chile. Valdivia: Hueycolla, 4 May 1967, *Singer M 6706* (SGO)
- cynanocephala* Singer, 1969a: 112
HOLOTYPE: Chile. Valdivia: Cordillera Pelada, 10 May 1965, *Singer M 5732* (BAFC)
- cyanosyringea* Singer, 1982d: 44
HOLOTYPE: Costa Rica. Puntarenas: Monte-verde, Monteverde Cloud Forest Reserve, 29 December 1979, *Lodge 306* (F)
- debiliformis* Singer, 1978h: 28
HOLOTYPE: Ecuador. Tungurahua, along Ambato-Puyo road ca 73 km from Ambato, *Dumont EC 1418* (NY)
- delica* Singer, 1989a: 71
HOLOTYPE: Brazil. Bahia: Itabuna, 7 June 1978, *Singer B 11121* (INPA)
- depilata* Singer, 1989a: 72
HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 18 May 1977, *Singer B 9634* (INPA)
- desfontaineae* Singer, 1965i: 157
HOLOTYPE: Chile. Valdivia: Cordillera Pelada, 28 March 1963, *Singer M 3211* (BAFC)
- dinae* Singer, 1973d: 39
HOLOTYPE: Argentina. Jujuy: near Posta de Lozano, 20 February 1966, *Singer & Sejzer T 5310* (F)
- discogena* Singer, 1959c: 388, 389
HOLOTYPE: Chile. Juan Fernández Island: Mása Tierra, along path to El Camote, 18 March 1955, *Sparre F 58a* (S). Isotype: LIL?
- dryopteridis* Singer, 1959c: 387, 388
HOLOTYPE: Chile. Juan Fernández Island: Mása Tierra, Quebrada de la Damajuana, 3 March 1955, *Sparre F 15* (S). Isotype: LIL?
- dumontii* Singer, 1989a: 72
HOLOTYPE: Colombia. Cundinamarca: between Zipaquira and Pacho, 9 June 1976, *Dumont CO 4476* (NY)
- endoglobulosa* Singer, 1978h: 29
HOLOTYPE: Ecuador. Napo: Lago Agrio, 11 May 1973, *Singer B 7362* (F)
- eucryphiarum* Singer, 1969a: 111
HOLOTYPE: Chile. Valdivia: Cordillera Pelada, 7 May 1965, *Singer M 5578* (BAFC)
- februaria* Singer, 1959b: 386
HOLOTYPE: Argentina. Tucumán: Tafi del Valle, Parque Aconquija, 17 February 1955, *Singer T 2184* (LIL)
- fernandeziana* Singer, 1959c: 392
HOLOTYPE: Chile. Juan Fernández Island: Mása Tierra, Lower Quebrada Pangal, 18 March 1955, *Sparre F 69* (S). Isotype: LIL?
- fernandeziana* var. *osornoana* Singer, 1969a: 139
HOLOTYPE: Chile. Osorno: Lago Puyehue, 14 October 1967, *Singer M 7526* (SGO)
- fuscocystidiata* Singer, 1989a: 72
HOLOTYPE: Colombia. Valle : Cali, Buenaventura, Calima, 17 April 1968, *Singer B 6184* (F)
- gloeoloma* Singer, 1989a: 72
HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 26 December 1977, *Singer B 10407* (INPA)
- glutinocothurnata* Singer, 1989a: 73
HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 9 February 1978, *Singer B 10634* (INPA)
- gomezii* Singer, 1989a: 73
HOLOTYPE: Costa Rica. San José: El Empalme, 23 July 1981, *Singer B 12387* (F)
- griseoradiata* Singer, 1989a: 74
HOLOTYPE: Costa Rica. Heredia: Puerto Viejo, OTS Station "La Selva", 23 December 1979, *Lodge 274* (F)

- griseoradiatella* Singer, 1989a: 74
HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 20 February 1978, *Singer B 10674* (INPA)
- griseorete* Singer, 1961b: 64
HOLOTYPE: Bolivia. La Paz: Nor-Yungas, 27 January 1956, *Singer B 566* (LIL)
- haematopoda* var. *chilensis* Singer, 1969a: 107
HOLOTYPE: Chile. Valdivia: Hueycolla, 7 May 1965, *Singer M 5592* (BAFC)
- helminthobasis* Singer, 1969a: 137
HOLOTYPE: Chile. Valdivia: Cordillera Pelada, E slope, 7 May 1967, *Singer M 6760* (SGO)
- hemitrichialis* Singer, 1989a: 74
HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 23 March 1978, *Singer B 10851* (INPA)
- herbarum* Singer, 1943a: 138
Type information: USSR. Altai Mtns., Oirotia: near lake Telez. Rensem, August.
- heroica* Singer, 1959b: 387
HOLOTYPE: Argentina. Tucumán: Taficillo, 22 February 1955, *Singer T 2235* (LIL)
- heterotrampa* Singer, 1973d: 40
HOLOTYPE: Chile. Santiago: 2 km from Ranque, 6 July 1967, *Singer M 7153* (SGO)
- hyalinotricha* Singer, 1969a: 124
HOLOTYPE: Chile. Llanquihué: 10 km N of Colaco, 9 May 1967, *Singer M 6810* (SGO)
- hydropodoides* Singer, 1989a: 75
HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 26 December 1977, *Singer B 10421* (INPA)
- hypsizyga* Singer, 1969a: 122
HOLOTYPE: Argentina. Buenos Aires: Sierra de la Ventana, 14 November 1962, *Singer S 231* (BAFC)
- icterinoides* Singer, 1989a: 75
HOLOTYPE: Brazil. Amazonas: Road Manaus-Caracará, km 45, 11 July 1977, *Singer B 10087* (F)
- idroboi* Singer, 1973d: 41
HOLOTYPE: Colombia. Valle: Cali, 16 April 1968, *Singer & Idrobo [Singer no.] B 6157* (F)
- igapoensis* Singer, 1989a: 76
HOLOTYPE: Brazil. Amazonas: Igarapé do Tarumãzinho, 19 March 1980, *Aguiar & Singer [Singer no.] B 12035* (INPA)
- indica* Singer, 1989a: 76
HOLOTYPE: India. Himachal Pradesh: Simla, Tutu, 20 August 1979, *Atri 12* (F)
- intervenosa* Singer, 1989a: 77
HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 6 April 1977, *Singer B 9615* (INPA)
- ionocephala* Singer, 1989a: 77
HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 29 June 1977, *Singer B 10025* (INPA)
- ixoleuca* Singer, 1973d: 41
HOLOTYPE: Bolivia. El Beni: Vaca Diez, 7 March 1956, *Singer s.n.* (BAFC)
- ixoxantha* Singer, 1973d: 42
HOLOTYPE: Colombia. Cauca: near Vulcán Puracé, 30 April 1968, *Singer B 6476* (F)
- juaniicola* Singer, 1959c: 390, 391
HOLOTYPE: Chile. Juan Fernández Island: Mása Tierra, El Yunque, 6 March 1955, *Kunkel, Charpentier [Sparre no.] F 23* (S). Iso-type: LIL?
- kermesina* Singer, 1986a: 406
HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 31 October 1977, *Araujo Aguiar [Singer no.] B 10252* (INPA). For species description see 1989a: 77.
- kuhneri* Singer, 1943a: 138
Type information: USSR. Altai Mtns., August.
- kuthanii* Singer, 1989a: 78
HOLOTYPE: Czechoslovakia. Moravia: Moravsko-Slovanské Beskidy, 20 April 1974, *Singer & Kuthan [Singer no.] C 5605* (F)
- lacrimans* Singer, 1989a: 78
HOLOTYPE: Brazil. Amazonas: Reserva Ducke, 4 December 1978, *Singer B 11429* (INPA)
- lazoni* Singer, 1969a: 124
HOLOTYPE: Chile. Santiago: Cerro Robles, 17 June 1967, *Lazo & Singer [Singer no.] M 6973* (SGO)
- lecythidacearum* Singer, 1989a: 79
HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 3 June 1977, *Singer B 9920* (INPA)
- leucoxantha* Singer, 1973d: 42
HOLOTYPE: Bolivia. La Paz: Nor-Yungas, 30 January 1956, *Singer B 742* (LIL, BAFC)
- lohwagii* Singer, 1929b: 93
Type information: USSR. Caucasus.
- longicrinita* Singer, 1989a: 79
HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 13 July 1977, *Singer B 10106* (INPA)
- macrocystidiata* Singer, 1936i: 430
No type information.
- melandeta* Singer, 1973d: 43
HOLOTYPE: Mexico. Dto. Federal, between San Pedro de Nexapa & Paso de Cortés, near Barranca de Ameyalco, 21 July 1969, *Singer MA 051* (F)
- melinocephala* Singer, 1973d: 43
HOLOTYPE: Argentina. Jujuy: Lagunas de Yala, 11 February 1966, *Singer T 5032* (BAFC)
- metuloidifera* Singer, 1969a: 116
HOLOTYPE: Chile. Valdivia: Hueycolla, 1 May 1967, *Singer M 6572* (SGO)
- microjonia* Singer, 1989a: 80
HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 29 August 1977, *Aguiar & Singer [Singer no.] B 10143* (INPA)

microleuca Singer, 1965i: 157

HOLOTYPE: Argentina. Río Negro: Huapí Frías, 21 March 1963, *Singer M 3096/I* (BAFC)

microleucoides Singer, 1989a: 80

HOLOTYPE: Argentina. Jujuy: Lagunas de Yala, 9 February 1965, *Singer T 3898* (F)

micromelaena Singer, 1989a: 81

HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 10 November 1977, *Singer B 10276* (INPA)

micromphale Singer in Singer & Digilio, 1951e: 236

HOLOTYPE: Argentina. Tucumán: Las Len-guas, 29 February 1951, *Singer T 1268* (LIL) [published in 1952]

micropolia Singer, 1989a: 81

HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 8 August 1977, *Singer B 10133* (INPA)

microstena Singer, 1989a: 81

HOLOTYPE: Brazil. Amazonas: Road Manaus-Caracaraf, km 45, 10 August 1978, *Singer B 11357* (INPA)

microtephra Singer, 1989a: 82

HOLOTYPE: Argentina. Jujuy: Lagunas de Yala, 9 February 1965, *Singer T 3918* (F)

microtrichialis Singer, 1989a: 82

HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 10 January 1978, *Singer B 10506a* (INPA)

microxantha Singer, 1989a: 82

HOLOTYPE: Brazil. Amazonas: Igarapé do Tarumãzinho, 8 September 1978, *Singer B 11388* (INPA)

minutuliaffinis Singer, 1969a: 131

HOLOTYPE: Chile. Valdivia: Los Conales, 14 May 1967, *Singer M 6909* (SGO)

mostnyae Singer, 1969a: 108

HOLOTYPE: Chile. Osorno: Puyehue, 13 May 1967, *Singer M 6867* (SGO)

multicaudata Singer, 1973d: 44

HOLOTYPE: Colombia. Cundinamarca: Salto de Tequendama, 24 July 1960, *Singer B 3501* (BAFC)

munyozii Singer, 1969a: 126

HOLOTYPE: Chile. Valparaíso: Quintero, 5 June 1967, *Villagrán [Singer no.] M 6951* (SGO)

nanoclavula Singer, 1989a: 82

HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 23 March 1978, *Singer B 10829* (INPA)

neospeirea Singer, 1973d: 44

HOLOTYPE: Bolivia. La Paz: Nor-Yungas, 16 February 1956, *Singer B 1023* (BAFC)

neotropicalis Singer, 1989a: 82

HOLOTYPE: Argentina. Tucumán: Sierra de San Javier, 24 April 1951, *Singer T 1523* (LIL). This is a new name for *Marasmellus foliicola* Singer (1951e: 148).

nothofagetorum Singer, 1969a: 114

HOLOTYPE: Argentina. Río Negro: Laguna Frías, 21 March 1963, *Singer M 3115* (BAFC)

nothomyriciae Singer, 1959c: 389, 390

HOLOTYPE: Chile. Juan Fernández Island: Mása Tierra, path up to El Camote, 18 March 1955, *Sparre F 57* (S). Isotype: LIL?

olivaceoalcalina Singer, 1938a: 198

Type information: USSR. Oirotia, *Singer & Vasilieva* (LE?)

omniumsanctorum Singer, 1969a: 137

HOLOTYPE: Chile. Llanquihué: Puella, 20 March 1959, *Singer M 1924* (SGO)

omphalophora Singer, 1978h: 30

HOLOTYPE: Ecuador. Tungurahua: Río Verde, 28 June 1973, *Singer B 7168* (F)

oreadeoides Singer, 1973d: 45

HOLOTYPE: Zaire. Kivu: Panzi-kivu, November 1948, *Goossens-Fontana 5068* (BR)

palmivora Singer, 1961b: 64

HOLOTYPE: USA. Florida, Highlands Ham-mock State Park, 11 August 1942, *Singer F 158* (F)

pantopolia Singer, 1989a: 82

HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 20 February 1978, *Singer B 10683* (INPA)

papilligera Singer, 1978h: 31

HOLOTYPE: Ecuador. Napo: Shushufindi, 13 May 1973, *Singer B 7393* (F)

paraboliciformis Singer, 1969a: 134

HOLOTYPE: Argentina. Río Negro: Nahuel Huapí National Park, Brazo Tristeza, 7 May 1964, *Singer M 3992* (BAFC)

patagonica Singer, 1969a: 121

HOLOTYPE: Argentina. Río Negro: Nahuel Huapí National Park, between Laguna Frías and Paso de las Nubes, 24 March 1963, *Singer M 3164* (BAFC)

pearsoniana Dennis in Singer, 1958d: 233

HOLOTYPE: Mexico. Puebla: East slopes of Popocatepetl, 21 July 1957, *Singer M 1606* (LIL)

piguicola Singer, 1978h: 32

HOLOTYPE: Ecuador. Tungurahua: Puyo, 26 April 1973, *Singer B 7131* (F)

piterbargii Singer, 1969a: 116

HOLOTYPE: Argentina. Neuquén: Nahuel Hua-pí National Park, above Puerto Manzano, 26 April 1964, *Piterbarg [Singer no.] M 3557* (BAFC)

pluvialis Singer, 1989a: 83

HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 13 July 1977, *Singer B 10093* (INPA)

poecila Singer, 1989a: 83

HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 23 March 1978, *Singer B 10849* (INPA)

poliocephala Singer, 1989a: 84

HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 9 February 1978, *Singer B 10625* (INPA)

porphyrocephala Singer, 1989a: 84

HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 10 January 1978, *Singer B 10500* (INPA)

pratensis Singer, 1973d: 46

HOLOTYPE: Uruguay. Maldonado, 27 May 1966, *Singer B 4191* (BAFC)

pseudoalnicola Singer, 1969a: 133

HOLOTYPE: Argentina. Río Negro: near Santa María, 8 April 1963, *Singer M 3321* (BAFC)

pseudostylotabes Singer, 1973d: 46

HOLOTYPE: Mexico. Dto. Federal, Barranca Ameyalco, 14 km viae Paso de Cortés, 16 June 1969, *Singer MA 042* (F)

ribesina Singer, 1969a: 113

HOLOTYPE: Argentina. Neuquén: Lago Correntoso, 11 March 1963, *Singer M 3500* (BAFC)

rosaceifolia Singer, 1973d: 47

HOLOTYPE: Bolivia. La Paz: Nor-Yungas, 12 February 1956, *Singer T 1102* (BAFC)

rubrimontana Singer, 1969a: 118

HOLOTYPE: Argentina. Neuquén: Cerro Colorado, 10 March 1959, *Singer M 1734* (LIL)

saxegothaeae Singer, 1969a: 123

HOLOTYPE: Argentina. Río Negro: Santa María, 19 April 1965, *Singer M 5059* (BAFC)

semipilosa Singer, 1989a: 84

HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 23 March 1978, *Singer B 10821a* (INPA)

sosarum Singer, 1959b: 389

HOLOTYPE: Argentina. Tucumán: Río de los Sosas, 4 February 1955, *Singer T 2128* (LIL)

sotae Singer, 1961b: 62

HOLOTYPE: Bolivia. La Paz: Nor-Yungas, 10 February 1956, *Singer & Sota [Singer no.] B 1073* (LIL)

squamulosa Singer, 1961b: 63

HOLOTYPE: Argentina. Tucumán: S. M. Tucumán, 4 January 1959, *Singer T 3175* (LIL)

subinamyloidea Singer, 1943a: 139

Type information: USSR. Altai Mtns. Central, August.

subtenerrima Singer, 1989a: 85

HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 14 June 1977, *Singer B 9942* (INPA)

subulifera Singer, 1969a: 136

HOLOTYPE: Chile. Valdivia: 10 km N of Collo, 9 May 1967, *Singer M 6809* (SGO)

sudorella Singer, 1943a: 142

Type information: USSR. Altai Mtns.: Lake Telezkoje, August.

tetrasphaerophora Singer, 1959c: 392, 393

HOLOTYPE: Chile. Juan Fernández Island: Mása Tierra, Quebrada de la Damajuana, 3 March 1955, *Sparre F 9* (S)

trichocephala Singer, 1973d: 47

HOLOTYPE: Brazil. Pará: Estancia Pirelli, 7 June 1966, *Singer B 4232* (BAFC)

triplotricha Singer, 1959c: 386, 387

HOLOTYPE: Chile. Juan Fernández Island: Mása Tierra, path up to El Camote, 18 March 1955, *Sparre B 54* (S)

turficola Singer, 1969a: 130

HOLOTYPE: Chile. Valdivia: "Turbera Hernández", 6 May 1967, *Singer M 6745* (SGO)

valdiviana Singer, 1969a: 118

HOLOTYPE: Chile. Valdivia: Hueycolla, 7 May 1967, *Singer M 5466* (BAFC)

vasilievae Singer, 1943a: 141

Type information: USSR. Altai Mtns.: Lake Telezkoje, August.

xanthocephala Singer, 1973d: 48

HOLOTYPE: Colombia. Valle: Cali, 15 April 1968, *Singer B 6148* (F)

yalensis Singer, 1973d: 48

HOLOTYPE: Argentina. Jujuy: Lagunas de Yala, 9 February 1965, *Singer T 3909 a* (F)

MYCENELLA Singer, 1938e: 9

Type species: *Mycena (Mycenella) margaritispora* Lange

aristoteliae Singer, 1959c: 380, 381

HOLOTYPE: Chile. Juan Fernández Island: Mása Tierra, lower part of Quebrada Pangal, 24 March 1955, *Sparre F 67* (S). Isotype: LIL?

cyatheae Singer, 1938e: 9

Type information: USSR. Leningrad, 1936, *Tranzschel & Singer* (LE?)

fuliginosa Singer, 1964d: 166

HOLOTYPE: Argentina. Neuquén: Nahuel Huapi National Park, Brazo Blest, path to "Los Cántaros", 23 March 1963, *Singer 3143* (BAFC)

funnebris Singer, 1952c: 213

HOLOTYPE: Argentina. Tierra del Fuego: Río Grande, Estancia Nueva Argentina, 15 February 1950, *Singer M 286* (LIL)

minima Singer, 1969a: 94

HOLOTYPE: Chile. Osorno: Puerto Octay, 15 September 1967, *Singer M* 7533 (SGO)

polylepidis Singer, 1989a: 44

HOLOTYPE: Argentina. Jujuy: Lagunas de Yala, 16 February 1966, *Singer T* 5203 (BAFC)

subtropicalis Singer, 1953b: 7

HOLOTYPE: Argentina. Tucumán: Río Cochuna, 11 February 1952, *Singer T* 1840 (LIL)

MYCOALVIMIA Singer, 1981a: 504

Type species: *Mycoalvimia theobromicola* Singer

theobromicola Singer, 1981a: 504

HOLOTYPE: Brazil. Bahia: Itabuna, 6 June 1978, *Singer B* 11102 (INPA)

MYXOCOLLYBIA

platycystis Singer, 1943a: 118

Type information: USSR. Altai Mtns.: Artubash Oirotiae, aimak Turoczak, 9 January 1937.

NAEMATOLOMA

amazonicum Singer, 1973d: 79

HOLOTYPE: Brazil. Rio Grande do Sul: Guaporé, Guajará mirim, 10 March 1956, *Singer B* 1802 (BAFC)

castilloi Singer, 1969a: 236

HOLOTYPE: Argentina. Río Negro: Laguna Frías, 24 March 1963, *Singer M* 3133 a (BAFC)

nudum Singer, 1973d: 80

HOLOTYPE: Brazil. Pará: Estancia Pirelli, 7 March 1966, *Singer s.n.* (BAFC)

popperianum Singer, 1973d: 81

HOLOTYPE: USA. California: San Francisco, 20 February 1969, *Singer N* 2041 (F)

NAUCORIA

curvipes Singer, 1954b: 135, 136

HOLOTYPE: Argentina. Neuquén: Nahuel Huapi National Park, Quetrihué, 18 May 1952, *Singer M* 744 (LIL)

macrospora Singer, 1941e: 94

Type information: USSR. Tatar, *Vasilieva* (LE?)

olivaceiceps Singer, 1954b: 137

HOLOTYPE: Argentina. Neuquén: Nahuel Huapi National Park, Quetrihué, 20 May 1952, *Singer M* 791 (LIL)

olivaceonana Singer, 1954b: 136, 137

HOLOTYPE: Argentina. Neuquén: Nahuel Huapi National Park, Isla Victoria, 17 May 1952, *Singer M* 727 (LIL)

pallidissima Singer in Singer & Digilio, 1951e: 366

HOLOTYPE: Argentina. Tucumán: Taff del Valle, Parque Aconquija, 24 November 1950, *Singer T* 1034 (LIL) [published in 1952]

pantelaodes Singer, 1954b: 138

HOLOTYPE: Argentina. Neuquén: Nahuel Huapi National Park, Quetrihué, 16 May 1952, *Singer M* 682 (LIL)

polytropia Singer, 1953a: 237

HOLOTYPE: Argentina. Tierra del Fuego: Río Grande, Estancia Nueva Argentina, 17 February 1950, *Singer M* 337 (LIL)

praeandina Singer, 1950a: 149

HOLOTYPE: Argentina. Tucumán: Quebrada de Lules, 2 April 1949, *Singer T* 373 (LIL)

subvelutina Singer, 1941e: 95

Type information: USSR. Altai Mtns.: Jaila, *Singer & Vasilieva* (LE). Also published in *Singer*, 1950h: 488 without Latin diagnosis.

subvelutina Singer, 1950a: 149

Type information: USSR. Altai Mtns.: near Artubash, 1 September 1937, *Singer A* 298 (LE). Also published in *Singer*, 1941e: 95. This may be a later homonym.

NEOCLITOCYBE Singer, 1961b: 55

Type species: *Omphalia byssiseda* Bres.

aberrans Singer, 1969a: 72

HOLOTYPE: Chile. Valdivia: Cordillera Pelada, 10 May 1965, *Singer M* 5731 (SGO)

ciliata Singer, 1989a: 25

HOLOTYPE: Brazil. Amazonas, Road Manaus-Itacoatjara, km 65, 8 October 1977, *Singer B* 10183 (INPA)

latispora Singer, 1973d: 22

HOLOTYPE: Argentina. Tucumán: Quebrada de la Higuera, 25 January 1955, *Singer T* 2082 (BAFC). The type information for this species is identical to that of *Marasmiellus clitocybe* Singer (1955c: 148), except for the herbarium of deposit.

lifotama Singer, 1967c: 359

HOLOTYPE: Zaire. Eala, September 1923, *Goossens-Fontana* 292 (BR)

membranacea Singer & Grinling, 1967c: 358

HOLOTYPE: Zaire. Brazzaville, February 1966, *Grinling* 60,209 (BAFC)

microspora Singer, 1969a: 71

HOLOTYPE: Chile. Valdivia: Cordillera Pelada, Chivería, 10 May 1965, *Singer M* 5738 (BAFC)

myceliosa Singer, 1961b: 56

HOLOTYPE: Bolivia. La Paz: Nor-Yungas, 16 February 1956, *Singer B* 1211 (LIL)

portentosa Singer, 1961b: 56

HOLOTYPE: Bolivia. El Beni: Vaca Diez, Riberalta, 31 March 1956, *Singer B* 2368 (LIL)

sanctaerosae Singer, 1989a: 26

HOLOTYPE: Bolivia. Pando: Manuripi, 22 March 1956, *Singer B* 2150 (LIL)

sublateralis Singer, 1965e: 37

HOLOTYPE: Brazil. Pernambuco: Mata de São João, 16 July 1960, *Singer B* 3437 (BAFC)

NEOHYGROPHORUS Singer ex Singer, 1961b: 46

Type species: *Hygrophorus angelesianus* Smith & Hesler

NEOPAXILLUS Singer, 1948a: 262

Type species: *Neopaxillus echinosporus* Singer
echinosporus Singer, 1948a: 262

HOLOTYPE: Brazil. near Couto, 1936, *Rick* (FH)

plumbeus Singer & Lodge, 1988i: 207, 208

HOLOTYPE: USA. Puerto Rico: Luguillo Mtns., Caribbean National Forest, El Verde, 5 September 1986, *Lodge & Prieto PR* 38 (F)

NEOSECOTIUM Singer & Smith, 1960e: 154

Type species: *Secotium macrosporum* Lloyd

NIVATOGASTRIUM Singer & Smith, 1959g: 224

Type species: *Secotium nubigenum* Harkness

NOLANEA*subcaelestina* Singer, 1949b: 91

Type information: Finland. Karelia: Kivacz, 24 August 1936 (LE?)

NOTHOCLAVULINA Singer, 1970a: 18

Type species: *Nothoclavulina ditopa* Singer

ditopa Singer, 1970a: 18

HOLOTYPE: Argentina. Tucumán: Anta Muerta, 10 April 1949, *Singer & Digilio* [*Singer no.*] *T* 403 (LIL). The type information is identical to that of *Armillariella ditopa* Singer (1950c: 191).

NOTHOPANUS Singer, 1944a: 364

Type species: *Agaricus* (*Pleurotus*) *eugrammus* Mont.

amarescens Singer, 1973d: 20

HOLOTYPE: Brazil. Pernambuco: Dois Irmãos near Recife, 21 July 1964, *Singer B* 5502 (BAFC)

tropicalis Singer, 1973d: 19

HOLOTYPE: Bolivia. El Beni: Vaca Diez, 17 March 1956, *Singer B* 2081 (LIL, BAFC)

OCTAVIANINA*macrospora* Singer & Smith, 1960h: 9

HOLOTYPE: USA. Oregon: Clackamas County, 9 August 1937, *Rogers s.n.* (NY)

papyracea Singer & Smith, 1960h: 13

HOLOTYPE: USA. California, Trinidad, 21 November 1939, *Parks* 6347 (NY)

rogersii Singer & Smith, 1960h: 12

HOLOTYPE: USA. Oregon: Benton County, 24 May 1939, *Rogers s.n.* (NY)

OMPHALIA*swanetica* Singer, 1931: 530

Type information: USSR. Caucasus: Khä.

OMPHALINA*antarctica* Singer, 1956b: 16

HOLOTYPE: Antarctica. Shetlands Meridionales: Decepción, *Behn & Sparre* [*Sparre no.*] *T* 2009 (LIL)

baeospora Singer, 1977c: 120

HOLOTYPE: Czechoslovakia. Moravia: Ostrava, 19 July 1974, *Veselsky, Kuthan & Singer* [*Singer no.*] *C* 5577 (F)

columbiana Singer, 1970a: 20

HOLOTYPE: Colombia. Cundinamarca: Páramo above Pacho, near road to Bogota, 26 July 1960, *Singer B* 3531 (BAFC)

defibulata Singer, 1952c: 190

HOLOTYPE: Argentina. Tierra del Fuego: Río Grande, Estancia Nueva Argentina, 18 February 1950, *Singer M* 355 (LIL)

infumata Singer, 1989a: 13

HOLOTYPE: Czechoslovakia. Slovakia, between Kežmarsko & Kežmarské & Zlaby, 7 September 1974, *Singer & Kuthan* [*Singer no.*] *C* 5921 (F)

mostnyae Singer, 1973d: 15

HOLOTYPE: Chile. Santiago: Quebrada Diego, 6 July 1967, *Singer M* 7130 (SGO)

oreades Singer, 1946g: 123

HOLOTYPE: USA. New Hampshire: White Mtns. (FH?) . [Published in 1948].

pyxidata var. *pluviarum* Singer in Singer & Digilio, 1951e: 67

HOLOTYPE: Argentina. Tucumán: Tapia, 15 April 1951, *Singer T* 1497 (LIL) [published in 1952]

subobscura Singer, 1970a: 21

HOLOTYPE: Argentina. Tucumán: San Pedro de Colalao, 23 January 1955, *Singer T 2057* (LIL)

subumbratilis Singer, 1970a: 23

HOLOTYPE: Argentina. Tucumán: upper part of La Angostura, near Mollar, 29 January 1962, *Singer T 3766* (BAFC)

umbratilis var. *depauperata* Singer & Cléménçon, 1972b: 318, 319

HOLOTYPE: Switzerland. Valais: River Borgne de Ferpècle, 11 July 1971, *Singer C 5460* (F)

OUDEMANSIELLA

echinosperma Singer, 1945d: 439

HOLOTYPE: Brazil. Rio Grande do Sul: Sao Leopoldo, *Rick* (FH). Deposited as *Collybia napipes*.

glutinosa Singer, 1989a: 43

HOLOTYPE: Colombia. Valle: Cali, Buenaventura, 22 April 1968, *Singer B 6287* (F)

hygrophoroides Singer & Cléménçon, 1971b: 124

HOLOTYPE: Switzerland. Vaud: Bois d'Apples, 10 July 1971, *Cléménçon 710710* (LAU)

linicolor Grinling ex Singer, 1989a: 43

HOLOTYPE: Zaire. Brazzaville: Fort de Mandiel, 1968, *Bouquet [Grinling no.] 71201* (F)

macracantha Singer, 1961b: 59

HOLOTYPE: Bolivia. Pando: Madre de Dios, 5 April 1956, *Singer B 2525* (LIL)

subnigra Singer, 1989a: 44

HOLOTYPE: Brazil. Amazonas: Ponta Negra, 18 July 1977, *Singer B 10350* (INPA)

PACHYLEPYRIUM Singer, 1957h: 321

[published in 1958]

Type species: *Phaeomarasmus fulvidula* Singer in Singer & Digilio

squarrulosum Singer, 1969a: 281

HOLOTYPE: Chile. Valdivia: Cordillera Pelada, Mirador, 29 April 1967, *Singer M 6550* (SGO)

PALAEOCEPHALA Singer, 1961b: 60

Type species: *Marasmus cymatelloides* Dennis & Reid

PANAEOLOPSIS Singer, 1969a: 367

Type species: *Panaelopsis sanmartiniana* Singer

brasiliensis Singer, 1976j: 62

HOLOTYPE: Brazil. Rio de Janeiro: Cabo Frio, near Canal, 16–17 October 1966, *Jezek 28* (F)

sanmartiniana Singer, 1969a: 367

HOLOTYPE: Argentina. Mendoza: Las Heras, Parque General San Martin, 14 February 1939, *Leal 6591* (BAFC)

PANAEOLUS

convexus Singer, 1965i: 161

HOLOTYPE: Chile. Moleros, 25 March 1959, *Singer M 2025* (BAFC)

moellerianus Singer, 1960j: 123

HOLOTYPE: Australia. Macquarie Island: Half Moon Bay, 28 March 1950 (MICH)

PANELLUS

cystidiatus Singer in Singer & Digilio, 1951e: 122

HOLOTYPE: Argentina. Tucumán: Río Cochuna, 20 February 1951, *Singer s.n.* (LIL) [published in 1952]

dumontii Singer, 1978h: 21

HOLOTYPE: Ecuador. Pichincha, 36 km from Quito on the Quito-Tandayapa Rd., 6 August 1975, *Dumont and others EC 2338* (NY)

mirabilis Singer, 1955a: 770

HOLOTYPE: USA. Florida: Highlands County, Highlands Hammock State Park, 12 August 1942, *Singer F 188* (F)

nubigenus Singer, 1969a: 88

HOLOTYPE: Colombia. Boyacá: between Ramiriquí and Rondón, 30 July 1960, *Singer B 3650* (BAFC)

nubigenus ssp. *australis* Singer, 1969a: 89

HOLOTYPE: Argentina. Neuquén: Lago Correntoso, 25 April 1964, *Singer M 3529* (BAFC)

pteridophytorum Singer, 1973d: 31

HOLOTYPE: Mexico. Oaxaca: San Agustín, 10 July 1969, *Singer M 8437* (F)

stenocystis Singer, 1973d: 32

HOLOTYPE: Argentina. Jujuy: Lagunas de Yala, 13 February 1965, *Singer T 4055* (F)

PANUS

semirudis Singer, 1936f: 142

Type information: USSR.

PAXILLUS

amazonicus Singer in Singer & Lodge, 1988i: 210

HOLOTYPE: Peru. Loreto: Río Yarapa, SE of Iquitos, March 1986, *Gerry Miller s. n.* (F)

boletinoides Singer in Singer & Digilio, 1951e: 431

HOLOTYPE: Argentina. Tierra del Fuego: Estancia Nueva Argentina, 14 February 1950, *Singer M 264* (LIL) [published in 1952]

boletinoides var. *leucopus* Singer, 1964c: 104
HOLOTYPE: Argentina. Río Negro: Nahuel
Huapí National Park, Río Frías, 15 March
1959, *Singer M 1808* (LIL)

defibulatus Singer in Singer & Digilio, 1951e:
434

HOLOTYPE: Argentina. Tierra del Fuego: Río
Grande, Estancia Nueva Argentina, 11 Feb-
ruary 1950, *Singer M 181* (LIL) [published in
1952]

defibulatus var. *unicolor* Singer in Singer & Di-
gilio, 1951e: 436

HOLOTYPE: Argentina. Tierra del Fuego: Río
Grande, Estancia Nueva Argentina, 18 Feb-
ruary 1950, *Singer M 341* (LIL) [published in
1952]

guttatus Singer, 1961h: 15

HOLOTYPE: Brazil. Pernambuco: Dois Irmãos,
5 July 1960, *Singer B 3057* (LIL)

polychrous Singer, 1937: 226

HOLOTYPE: USSR. Western Caucasus (LE?)

PEGLEROMYCES Singer, 1981a: 500

Type species: *Pegleromyces collybioides* Singer

collybioides Singer, 1981a: 500

HOLOTYPE: Brazil. Amazonas: 30 km N of
Manaus, 2 January 1978, *Singer B 10469* (F)

PHAEOLLYBIA

amazonica Singer, 1961b: 77

HOLOTYPE: Bolivia. El Beni: Vaca Diez, 31
March 1956, *Singer B 2372* (LIL)

attenuata ssp. *mexicana* Singer, 1957a: 367

HOLOTYPE: Mexico. Dto. Federal, between
San Pedro de Nexapa and Paso Cortés, 21 July
1957, *Singer M 1586* (MICH)

brasiliensis Araujo ex Singer, 1987b: 257

HOLOTYPE: Brazil. Amazonas: Reserva Ducke,
7 January 1979, *Singer B 11473* (INPA)
(Type: I02712)

columbiana Singer, 1970a: 6

HOLOTYPE: Colombia. Valle: Cali, Buenaven-
tura, San Joaquín, 22 April 1968, *Singer B*
6274 (F)

elaeophylla Singer, 1987b: 257

HOLOTYPE: Brazil. Amazonas: Reserva Ducke,
26 May 1978, *Singer B 11063* (INPA)

flava Araujo ex Singer, 1987b: 258

HOLOTYPE: Brazil. Amazonas: 30 km to Ma-
naus, Embrapa, 14 June 1977, *Singer B 9976*
(INPA)

megalospora Araujo ex Singer, 1987b: 259

HOLOTYPE: Brazil. Amazonas: Road Manaus-
Caracaraf, km 45, 11 July 1977, *Singer & Ar-
aujo* [*Singer no.*] *B 10082* (INPA: 102698)

megalospora var. *tetraspora* Singer, 1987b: 259

HOLOTYPE: Brazil. Amazonas: 30 km to Ma-
naus, Embrapa, 14 June 1977, *Singer B 9975*
(INPA: 100937).

oligoporpa Singer, 1987b: 250

HOLOTYPE: Costa Rica. San José: La Chonta,
along Interamerican Highway, km 55, 11 July
1982, *Gómez 18196* (F)

quercetorum Singer, 1987b: 254

HOLOTYPE: Costa Rica. San José: El Empal-
me, 23 July 1981, *Singer B 12399* (F)

subarduennensis Singer, 1987b: 252

HOLOTYPE: Costa Rica. San José: Cerro de la
Muerte, 2 August 1981, *Gómez & Singer*
[*Singer no.*] *B 12583a* (F)

subattenuata Singer, 1961b: 78

HOLOTYPE: Bolivia. Pando: Madre de Dios, 5
April 1957, *Singer B 2510* (LIL)

PHAEODEPAS

nutans Singer, 1973d: 28

HOLOTYPE: Colombia. Valle: Mun. Cali, 15
April 1968, *Singer B 6155* (F)

PHAEOGYROPORUS Singer, 1944a: 360

Type species: *Boletus braunii* Bres.

beniensis Singer & Digilio, 1960i: 150

HOLOTYPE: Bolivia. El Beni: Vaca Diez,
Guayaramerín, 6 March 1956, *Singer B 1613*
(LIL)

PHAEOMARASMIUS

ciliatus Singer, 1953a: 250

HOLOTYPE: Argentina. Tierra del Fuego: Río
Grande, Estancia Nueva Argentina, 15 Feb-
ruary 1950, *Singer M 288* (LIL)

confragosuliformis Singer, 1969a: 299

HOLOTYPE: Chile. Valdivia: Cordillera Pelada,
Chivería, 7 May 1967, *Singer M 6773* (SGO)

confragosulus Singer, 1953b: 20

HOLOTYPE: Argentina. Tucumán: Río Cochu-
na, 11 February 1952, *Singer T 1826* (LIL)

fulvidula Singer in Singer & Digilio, 1951e:
390

HOLOTYPE: Argentina. Tucumán: Tapia, 15
April 1951, *Singer T 1495* (LIL) [published in
1952]

fuscomarginatus Singer, 1969a: 294

HOLOTYPE: Chile. Colchagua: Pumanque, 14
June 1967, *Lazo PU-99* (SGO)

gregarius Singer, 1959n: 586

HOLOTYPE: USA. Virginia: Giles County, Mt.
Lake Biological Station, *Singer V 302* (FH).
Also see Schweiz. Zeitschr. Pilzk. 34 (4): 58,
1956.

limulatellus Singer, 1953a: 254

HOLOTYPE: Argentina. Tierra del Fuego: Río Grande, Estancia Nueva Argentina, 22 February 1950, *Singer M 438* (LIL)

littoralis Singer, 1989a: 113

HOLOTYPE: Costa Rica. Guanacaste: Bagaces, 7 km NW of town, October 1982, *Gómez 18682* (F)

malvacearum Singer in Singer & Digilio, 1951e: 389

HOLOTYPE: Argentina. Tucumán: Sierra de San Javier, 31 July 1949, *Singer T 604* (LIL) [published in 1952]

mercedis Singer, 1989a: 114

HOLOTYPE: Colombia. Cundinamarca: Bojacá, 8 April 1968, *Singer B 6023* (F)

mucronosporus Singer, 1969a: 293

HOLOTYPE: Argentina. Río Negro: Nahuel Huapí National Park, between Laguna Frías and Paso de las Nubes, 4 May 1964, *Singer M 3955* (BAFC)

myrceugenellae Singer, 1969a: 298

HOLOTYPE: Chile. Valdivia: Hueycolla, 1 May 1967, *Singer M 6581* (SGO)

nebularum Singer, 1961b: 75

HOLOTYPE: Bolivia. La Paz: Nor-Yungas, 28 January 1956, *Singer B 637* (LIL)

oligosporus Singer, 1989a: 114

HOLOTYPE: Brazil. São Paulo: Serra de Cantareira, 17 December 1964, *Singer B 4122* (F)

pascuus Singer, 1989a: 115

HOLOTYPE: Uruguay. Maldonado, 27 May 1966, *Singer B 4181* (BAFC)

rostratus Singer, 1953a: 252

HOLOTYPE: Argentina. Tierra del Fuego: Río Grande, Estancia Nueva Argentina, 17 February 1950, *Singer M 318* (LIL)

spadiceospinulosus Singer, 1973d: 88

HOLOTYPE: Bolivia. La Paz: Nor-Yungas, 9 February 1956, *Singer B 1047* (BAFC)

speireoides var. *chilensis* Singer, 1969a: 295

HOLOTYPE: Chile. Llanquihué: Puella, 22 March 1959, *Singer M 2003* (BAFC)

subincarnatus var. *gilvus* Singer, 1969a: 292

HOLOTYPE: Argentina. Río Negro: Laguna Frías, and Paso de las Nubes, 24 March 1963, *Singer M 3170* (BAFC)

terrigenus Singer, 1973d: 88

HOLOTYPE: Mexico. Veracruz: Jalapa, Tlilapa, 24 June 1969, *Singer M 8198* (F). Also published in Singer, 1989a: 115.

PHAEOMYCENA

macrospora Singer in Singer & Digilio, 1951e: 176

HOLOTYPE: Argentina. Tucumán: Río de los Sosas, 27 January 1951, *Singer T 1141* (LIL) [published in 1952]

PHELLINITES Singer & Archangelsky, 1957e: 41

Type species: *Phellinites degiustoi* Singer & Archangelsky

degiustoi Singer & Archang., 1957e: 41

Type information: Argentina. Santa Cruz, 66 (LIL)

PHLEBOPUS

brasiliensis Singer, 1983f: 43

HOLOTYPE: Brazil. Amazonas, 14 April 1980, *Araujo & Singer [Singer no.] B 12098* (INPA)

viperinus Singer, 1947a: 5

Type information: Type in FH.

PHOLIOTA

agrocymbiformis Singer, 1969a: 276

HOLOTYPE: Chile. Llanquihué: between Ensenada and Raln, 18 May 1967, *Singer M 7598* (SGO)

alnea Singer in Singer & Digilio, 1951e: 336

HOLOTYPE: Argentina. Tucumán: Cerro Alto del Taficillo, 4 March 1951, *Singer T 1398* (LIL) [published in 1952]

aurantioalbida Singer, 1969a: 259

HOLOTYPE: Argentina. Río Negro: Laguna Frías, 21 March 1963, *Singer M 3127* (BAFC)

baeosperma Singer, 1953a: 217

HOLOTYPE: Argentina. Tierra del Fuego: Lago Fagnano, Cabercera del Lago, 19 February 1950, *Singer M 368* (LIL)

blechni Singer, 1965i: 170

HOLOTYPE: Chile. Valdivia: Cordillera Pelada, 28 March 1963, *Singer M 3217* (BAFC)

calendulina Singer in Singer & Digilio, 1951e: 337

HOLOTYPE: Argentina. Tucumán: Santa Rosa, 17 December 1950, *Singer T 1057* (LIL) [published in 1952]

glutinigera Singer, 1959n: 585

HOLOTYPE: Argentina. Tucumán: Taficillo, 23 February 1955, *Singer T 2217* (LIL)

intermedia Singer, 1929b: 107

Type information: USSR. Caucasus: Kodor, Sak-en, September.

irazuensis Singer, 1989a: 112

HOLOTYPE: Costa Rica. Cartago: Reventado Irazu, October 1982, *Gómez 18580* (F)

kubickae Singer & Cléménçon, 1971b: 126

HOLOTYPE: Czechoslovakia. Bohemia: near Trěboň in Südböhmen, 30 September 1970, *Kubicka & Singer [Singer no.] C 5228* (F)

maackiae Singer, 1946g: 142

Type information: USSR. Khabarovsk Krai, 15 September 1939, *Lyubarski* (LE). [Published in 1948].

majalis Singer, 1969a: 269

HOLOTYPE: Chile. Valdivia: Cordillera Pelada, 9 May 1965, *Singer M 5535* (BAFC)

marthae Singer, 1969a: 261

HOLOTYPE: Chile. Valdivia: Cordillera Pelada, Mirador, 6 May 1967, *R. & M. Singer M 6734* (SGO)

megalosperma Singer, 1953a: 216

HOLOTYPE: Argentina. Tierra del Fuego: Río Grande, Estancia Nueva Argentina, 17 February 1950, *Singer M 336* (LIL)

microcarpa Singer, 1969a: 277

HOLOTYPE: Argentina. Río Negro: Laguna Frías, path to Paso de las Nubes, 24 March 1963, *Singer M 3169* (BAFC)

montana Singer, 1965i: 169

HOLOTYPE: Chile. Valdivia: Cordillera Pelada, 28 March 1963, *Singer M 3214* (BAFC)

myxacioides Singer, 1969a: 268

HOLOTYPE: Chile. Valdivia: Cordillera Pelada, Chivería, 10 May 1965, *Singer M 5707* (BAFC)

naucorioides Singer, 1955a: 774

HOLOTYPE: Brazil. Paraná: Paranaguá, 27 September 1952, *Singer B 410* (F)

novembris Singer, 1969a: 267

HOLOTYPE: Argentina. Río Negro: Laguna Frías, path to the Paso de las Nubes, 19 November 1954, *Singer M 4054* (BAFC)

oedipus var. *chilensis* Singer, 1970d: 787

HOLOTYPE: Chile. Colchagua: Pumanque, 1967, *Lazo PU-90* (SGO)

psathyrelloides Singer, 1969a: 276

HOLOTYPE: Argentina. Neuquén: Nahuel Huapi National Park, Puerto Blest, Los Cántaros, 15 March 1959, *Singer M 1827* (BAFC)

septembris Singer, 1969a: 275

HOLOTYPE: Chile. Llanquihué: Salto de Petrohu, 17 September 1967, *Singer M 7588* (SGO)

spumosa var. *chrysocystidiophora* Singer, 1969a: 274

HOLOTYPE: Chile. Valdivia: Hueycolla, 4 May 1967, *Singer M 6716b* (SGO)

spumosa var. *crassitunica* Singer, 1969a: 272

HOLOTYPE: Chile. Valdivia: Hueycolla, 4 May 1967, *Singer M 6712* (SGO)

varzeae Signer, 1989a: 113

HOLOTYPE: Brazil. Amazonas: Paraná do Janauacá, 23 May 1980, *Singer B 12177* (F)

altoandina Singer, 1989a: 105

HOLOTYPE: Colombia. Risaralda: Valle de la Quebrada Betania, 25 January 1980, *Boekhout 361* (F)

australis Singer, 1969a: 214

HOLOTYPE: Argentina. Río Negro: Laguna Frías, path to the Paso de las Nubes, 22 March 1963, *Singer M 3137* (BAFC)

astrofilaris Singer, 1969a: 217

HOLOTYPE: Argentina. Neuquén: Rincón, 13 March 1963, *Singer M 3537* (BAFC)

caricicola Singer, 1989a: 106

HOLOTYPE: Colombia. Risaralda: Santa Rosa de Cabal, 26 January 1980, *Boekhout 370* (F)

filaris var. *ochracea* Singer, 1950h: 429

Type information: USSR. Altai Mtns. (LE). No Latin diagnosis.

filaris var. *recedens* f. *subochracea* Singer, 1950h: 430

Type information: USSR. Altai Mtns. (LE). No Latin diagnosis.

maireiaffinis Singer, 1989a: 106

HOLOTYPE: USA. Illinois: Ogle County, 9 October 1976, *Singer N 7591* (F)

microspora Singer, 1989a: 107

HOLOTYPE: USA. Illinois: Cook County, 16 October 1983, *Singer N 5147* (F)

procera Singer, 1941e: 98

Type information: USSR. Altai Mtns.: Artubash, *Singer & Vasilieva* (LE?) Also published in *Singer*, 1950a: 142, with more type information: USSR. Altai Mtns.: Oirotia, Artubash, 17 September 1937, *Singer & Vasilieva A 1148* (LE).

ruizlealii Singer, 1969a: 216

HOLOTYPE: Argentina. Mendoza: Las Heras, Sanchon de los Ciruelos, *Leal 4.614* (BAFC). Also in Ruiz Leal's herbarium.

septentrionalis ssp. *vasilievae* Singer, 1941e: 98

Type information: USSR. Western Caucasus, 1936, *Vasilieva* (LE?)

tucumana Singer, 1973d: 77

HOLOTYPE: Argentina. Tucumán: Tafí del Valle, 1 May 1949, *Singer T 1199* (LIL). Deposited under *P. filaris*.

verrucispora Singer, 1969a: 213

HOLOTYPE: Argentina. Neuquén: Puerto Manzano, 18 April 1965, *Singer M 5048* (BAFC)

PHYLLOBOLETELLUS Singer in Singer & Digilio, 1951e: 438 [published in 1952]

Type species: *Phylloboletellus chloephorus* Singer
chloephorus Singer in Singer & Digilio, 1951e: 438

HOLOTYPE: Argentina. Tucumán, Río de los Sosas, 27 January 1951, *T 1126* (LIL) [published in 1952]

PHOLIOTINA*altaica* Singer, 1941e: 98

Type information: USSR. Altai Mtns., *Singer & Vasilieva* (LE). Also published in *Singer*, 1950a: 140, with more information: USSR. Altai Mtns.: Kurai, *Singer & Vasilieva A 728*, (LE).

PHYLLOBOLITES Singer, 1942b: 59

Type species: *Paxillus miniatus* Rick

PHYLLOPORUS

caballeroi Singer, 1973d: 101

HOLOTYPE: Argentina. Jujuy: Lagunas de Yala, 14 February 1966, *Singer T 5150* (F)

centroamericanus Singer & Gómez, 1984g: 169

HOLOTYPE: Costa Rica. San José: La Chonta, September 1983, *Gómez 18413* (F)

fibulatus Singer, Ovrebo & Halling, 1990c: 452

HOLOTYPE: Colombia. Antioquia, Along road from Santa Rosa de Osos to San José de la Montaña, 25 November 1986, *Ovrebo 2546* (HUA). Isotype: NY.

gymnocystis Singer, 1989a: 124

HOLOTYPE: Brazil. Amazonas: Road Manaus-Caracará, km 125, 20 July 1973, *Singer B 11310* (INPA)

lariceti Singer, 1938d: 170

HOLOTYPE: USSR. Altai Mtns.: Lake Telezkoje, September, *Vasilieva & Singer* (LE?)

leucomycelinus Singer ex. Singer, 1978a: 426

HOLOTYPE: USA. Michigan: Warren Woods, 23 July 1973, *Ponce de León & Singer [Singer no.] N 7674* (F). Also see 1984g: 176

manausensis Singer, 1978a: 424

HOLOTYPE: Brazil. Amazonas: Manaus, August 1977, *Singer B 9790* (F)

phaeoxanthus Singer & Gómez, 1984g: 171

HOLOTYPE: Costa Rica. San José: Jardín de Dota, 6 km W of Empalme, July 1983, *Gómez & Alfaro 20583* (F)

phaeoxanthus var. *simplex* Singer & Gómez, 1984g: 173

HOLOTYPE: Costa Rica. San José: Empalme, 1.1 km E of "La Perla" restaurant., July 1983, *Gómez & Alfaro 20623* (F)

purpurellus Singer, 1973d: 100

HOLOTYPE: Colombia. Cauca: near Cali Payán, 29 June 1968, *Singer B 6775* (F)

PHYSOCYSTIDIUM Singer, 1962b: 410

Type species: *Collybia cinnamomea* Dennis

PISTILLARIA

saxegothaeae Singer, 1969a: 387

HOLOTYPE: Chile. Valdivia: Cordillera Pelada, W slope, 30 March 1963, *Singer M 3256* (BAFC)

PLEUROCOLLYBIA Singer, 1947b: 80

Type species: *Collybia (Gymnopus) praemultifolia* Murr.

apoda Singer, 1955a: 769

HOLOTYPE: Panama. Zona Canalis: Río Sardinilla, 10 July 1952, *Martin & Welden 7518* (F, IA)

cibaria Singer, 1963h: 207

HOLOTYPE: Peru. Cuzco: Urubamba, Chicón, no date, *Zamalloa 201* (BAFC)

paradoxa Singer, 1969a: 55

HOLOTYPE: Chile. Valdivia: Hueycolla, 4 May 1967, *Singer M 6713* (SGO)

pulcherrima Singer, 1978h: 12

HOLOTYPE: Colombia. Cundinamarca: Hacienda La Soche Granada, 23 July 1974, *Dumont CO 1903* (NY)

PLEUROCYBELLA Singer, 1947b: 81

Type species: *Pleurotus porrigens* Pers.: Fr.

PLEUROFLAMMULA Singer, 1946d: 521

Type species: *Crepidotus dussii* Pat.

chocoruensis Singer, 1947g: 88

HOLOTYPE: USA. New Hampshire: Mt. Chocorua, 21 September 1905, *Krieger and Farlow* (FH). [Published in 1948].

fluminensis Singer, 1973d: 86

HOLOTYPE: Brazil. Rio Grande do Sul: Guanabara, Corcovado, February-March, 1924, *Murrill 246* (NY)

majuscula Singer, 1969a: 282

HOLOTYPE: Chile. Valdivia: Hueycolla, 4 May 1967, *Singer M 6729* (SGO)

squarrulosa Singer, 1973d: 86

HOLOTYPE: Colombia. Valle: Mun. Cali, 2 May 1968, *Singer B 6915* (F)

PLEUROMYCENULA Singer, 1973d: 27

Type species: *Pleuromycenula ellipsoidea* Singer.

circularis Singer, 1973d: 28

HOLOTYPE: Colombia. Valle: Río Pance, 3 May 1968, *Singer B 6961* (F)

ellipsoidea Singer, 1973d: 27

HOLOTYPE: Mexico. México: near Barranca de Ameyalco, 16 July 1969, *Singer MA 0007* (F)

flava Singer, 1978h: 42

HOLOTYPE: Colombia. Valle: Cali, Buenaventura, Calima, 18 April 1968, *Singer B 6208* (F)

PLEUROTELLUS

fibulatus Singer, 1955a: 776

HOLOTYPE: USA. Oregon: Benton County, Mt. Alsea, 4 November 1939, *Doty 723a* (F)

PLEUROTUS

araucariicola Singer, 1953d: 141

HOLOTYPE: Brazil. Rio Grande do Sul: Taimbesinho, 5 November 1951, *Singer B 89* (LIL)

citrinopileatus Singer, 1943a: 149

Type information: USSR. Khabarovsk Krai: Khabarovsk, July–October.

favoloides Singer, 1989a: 2

HOLOTYPE: Brazil. Amazonas: Igarapé do Tarumãzinho, 26 April 1978, *Singer B 10990* (INPA)

floridanus Singer, 1946g: 134

HOLOTYPE: USA. Florida: Highlands County, Highlands Hammock State Park, 15 August 1942, *Singer F 217* (FH). [Published in 1948].

geesterani Singer, 1961b: 45

HOLOTYPE: South Africa. Cape: Humansdorp District, 2 December 1949, *Maas Geesteranus 6736* (L)

lindquistii Singer, 1960b: 216

HOLOTYPE: Argentina. Buenos Aires: Ensenada, Punta Lara, 21 April 1960, *Lindquist & Singer S 194* (LIL)

microleucus Singer, 1978h: 6

HOLOTYPE: Ecuador. Morona Santiago, 7 km from Mendez on the Mendez-Macas Rd., 2 August 1975, *Dumont and others [Dunont no.] EC 2219* (NY)

ostreatoroseus Singer, 1961h: 10

HOLOTYPE: Brazil. Pernambuco: Camaragibe, 14 July 1960, *Singer B 3407* (LIL)

sutherlandii Singer, 1952c: 211

HOLOTYPE: Argentina. Tierra del Fuego: Río Grande, Estancia Nueva Argentina, 10 February 1950, *Singer M 151* (LIL)

PLUTEUS

agriensis Singer, 1978h: 46

HOLOTYPE: Ecuador. Napo: Lago Agrio, 14 May 1973, *Singer B 7421* (F)

albastipitatus var. *poliobasis* Singer, 1973d: 64

HOLOTYPE: Mexico. Veracruz: near Tuxtla, 21 June 1961, *Singer M 8117* (F)

amazonaicus Singer ex Singer, 1989a: 93

HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 10 October 1977, *Singer B 10187* (INPA)

amphicystis Singer, 1958g: 213

HOLOTYPE: Bolivia. Pando: Manuripi, Conquista, 26 March 1956, *Singer B 2249* (LIL)

angustisporus Singer, 1958g: 206

HOLOTYPE: Bolivia. Pando: Madre de Dios, Las Piedras, 5 April 1956, *Singer B 2497* (LIL)

aporpus Singer, 1954b: 122, 123

HOLOTYPE: Argentina. Neuquén: Nahuel Huapí National Park, Quetrihué, 16 May 1952, *Singer M 675a* (LIL)

aporpus f. *porpophorus* Singer, 1961a: 115, 130

HOLOTYPE: Argentina. Neuquén: Nahuel Huapí National Park, 6 March 1959, *Singer M 1676* (LIL)

aquosus Singer, 1956c: 148

HOLOTYPE: Argentina. Tucumán: East slope of Taficillo, 23 February 1955, *Singer T 2208* (LIL)

argentinensis Singer, 1958g: 230

HOLOTYPE: Argentina. Tucumán: Río de los Sosas, 4 February 1955, *Singer T 2139* (LIL)

atriavellaneus var. *coquimbensis* Singer, 1969a: 155

HOLOTYPE: Chile. Coquimbo: Fray Jorge, 16 April 1967, *Singer M 6509* (SGO)

atriavellaneus var. *flavidopubescens* Singer, 1961a: 123, 131

HOLOTYPE: Venezuela. Mérida: Sierra de Santo Domingo, 1 August 1958, *Dennis 1756a* (LIL, K)

atriavellaneus var. *parvus* Singer, 1958g: 248

HOLOTYPE: Argentina. Tucumán: Sierra de San Javier, Taficillo, 4 March 1951, *Singer T 1389* (LIL)

beniensis Singer, 1958g: 285

HOLOTYPE: Bolivia. El Beni: Vaca Diez, Riberalta, 30 March 1956, *Singer B 2346* (LIL)

burserae Singer, 1958g: 268

HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Río Suapi, 9 February 1956, *Singer B 1061* (LIL)

cervinus var. *minor* Singer, 1947c: 228

Type information: Spain. Catalonia: Ribera de Sant Maurici, 1934.

cervinus var. *tucumanensis* Singer in Singer & Digilio, 1951e: 254

HOLOTYPE: Argentina. Tucumán: near Tafí del Valle, Quebradita, 14 December 1949, *Singer T 772* (LIL) [published in 1952]

chrysophlebius ssp. *sublaevigatus* Singer, 1958g: 278

HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Charobamba, 13 February 1956, *Singer B 1147* (LIL)

cinerellus Singer, 1956c: 156

HOLOTYPE: USA. Florida: Highlands County, Highlands Hammock State Park, 28 August 1942, *Singer F 427* (F)

circumscissus Singer, 1958g: 226

HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Carmen Pampa, 17 February 1956, *Singer B 12185* (LIL)

- defibulatus* Singer, 1952c: 222
HOLOTYPE: Argentina. Tierra del Fuego: Río Grande, Estancia Nueva Argentina, 22 February 1950, *Singer M 435* (LIL)
- dennisii* Singer ex Singer, 1989a: 97
HOLOTYPE: Trinidad. Non Pareil, Sangre Grande, 11 October 1949, *Dennis 152* (K)
- diptychocystis* Singer, 1954b: 123, 124
HOLOTYPE: Argentina. Neuquén: Nahuel Huapi National Park, Isla Victoria, 17 May 1952, *Singer M 725* (LIL)
- dominicanus* Singer, 1961a: 129, 131
HOLOTYPE: Venezuela. Mérida: Sierra de Santo Domingo, 1 August 1958, *Dennis 1772* (LIL, K)
- eliae* Singer, 1958g: 290
HOLOTYPE: Bolivia. Pando: Manuripi, Conquista, 25 March 1956, *Singer & E.R. de la Sota B 2193* (LIL)
- espeletiae* Singer, 1961a: 120, 130
HOLOTYPE: Venezuela. Mérida: Sierra de Santo Domingo, 23 July 1958, *Dennis 1720* (LIL, K)
- eucryphiae* Singer, 1969a: 153
HOLOTYPE: Chile. Valdivia: Cordillera Pelada, W slope, 7 May 1965, *Singer M 5567* (BAFC)
- exilis* Singer, 1989a: 94
HOLOTYPE: USA. California: Marin County, 14 January 1983, *Singer N 5105* (F)
- exilis* var. *austriacus* Singer, 1989a: 94
HOLOTYPE: Austria. Burgenland: Siegendorf, 19 September 1979, *Singer C 9457* (WU)
- fallax* Singer, 1958g: 294
HOLOTYPE: Argentina. Tucumán: Tafí del Valle, Parque Aconquija, 24 March 1949, *Singer T 272* (LIL)
- fastigiatus* Singer in Singer & Digilio, 1951e: 259 [published in 1952]
HOLOTYPE: Argentina. Tucumán: Santa Rosa, 17 December 1950, *Singer T 1054* (LIL) [Published in 1952]
- fernandezianus* Singer, 1958g: 220
HOLOTYPE: Chile. Juan Fernandez: Masatierra, Quebrada Agujereada, 12 March 1955, *Sparre F 32* (LIL, S)
- fibulatus* Singer in Singer & Digilio, 1951e: 252 [published in 1952]
HOLOTYPE: Argentina. Tucumán: Ciudad, Jardín del Instituto Lillo, 22 February 1949, *Singer T 141* (LIL) [Published in 1952]
- fluminensis* Singer, 1958g: 292
HOLOTYPE: Brazil. Río de Janeiro: Angra dos Reis, 31 September 1952, *Singer B 432* (F)
- glaucus* Singer, 1961a: 114, 130
HOLOTYPE: Chile. Llanquihué: Puella, 20 March 1959, *Singer M 1892* (LIL)
- globiger* Singer in Singer & Digilio, 1951e: 266 [published in 1952]
HOLOTYPE: Argentina. Tucumán: Sierra de San Javier, Anta Muerta, 16 April 1950, *Singer T 973* (LIL) [Published in 1952]
- glutinosus* Singer, 1989a: 94
HOLOTYPE: Panama. Panamá: near the El Llano Carti road, 29 June 1975, *Dumont P 1512* (F)
- haywardii* Singer, 1956c: 147
Type information: Argentina. Tucumán, *T 452* (LIL)
- hendersoniensis* Singer, 1989b: 795
HOLOTYPE: Henderson Islands. (South Pacific), Northwest Beach, *Schuster 00006* (F)
- hiemalis* Singer, 1958g: 248
HOLOTYPE: Argentina. Tucumán: Río Cochuna, Marta Grassi, 29 September 1956, *Singer T 2838* (LIL)
- hololeucus* Singer, 1956c: 200
HOLOTYPE: Argentina. Tucumán: Sierra de San Javier, Ciudad Universitaria, 31 January 1955, *Singer T 2105* (LIL)
- hongoi* Singer, 1989a: 95
HOLOTYPE: Japan. Kyoto: Mt. Daimonjiyama, 14 September 1984, *Singer, Hongo and others [Singer no.] A 4070* (F)
- horridus* Singer, 1973d: 62
HOLOTYPE: Mexico. Veracruz: near Montepío, 23 June 1969, *Singer M 8177* (F)
- hylaecicola* Singer, 1989a: 95
HOLOTYPE: Brazil. Pará: Belém, 5 June 1966, *Singer B 4201* (BAFC)
- iguazuensis* Singer, 1956c: 201
HOLOTYPE: Argentina. Misiones: Iguazú, 26 November 1949, *Singer & Digilio* (LIL)
- keissleri* Singer, 1929b: 106
Type information: USSR. Caucasus.
- kuthanii* Singer, 1989a: 96
HOLOTYPE: Czechoslovakia. Slovakia: Cadca, 27 July 1974, *Kuthan & Singer [Singer no.] C 5696* (F)
- laetifrons* var. *bolivianus* Singer, 1958g: 277
HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Coroico, 4 February 1956, *Singer B 889* (LIL)
- laetus* Singer, 1958g: 274
HOLOTYPE: Bolivia. El Beni: Vaca Díez, Ivon, 3 April 1956, *Singer B 2483* (LIL)
- laetus* var. *mixtus* Singer, 1961a: 126, 131
HOLOTYPE: Venezuela. Dto. Federal: Caracas, 3 July 1958, *Dennis 1130* (LIL)
- leucocyanescens* Singer, 1973d: 64
HOLOTYPE: Mexico. Veracruz: near Montepío, 21 June 1969, *Singer M 8130* (F)
- maculosipes* Singer, 1961a: 122, 131
HOLOTYPE: Venezuela. Miranda: Cortada del Guayabo, 9 July 1958, *Dennis 1154* (LIL, K)

- major* Singer, 1989a: 96
HOLOTYPE: USA. Illinois: Cook County, Forest Reserve E of Wheeling, 23 June 1985, *Singer N 5195* (F)
- melanopotamicus* Singer, 1989a: 96
HOLOTYPE: Brazil. Amazonas: Igarapé do Tarumãzinho, 13 March 1983, *Singer B 12426* (F)
- mesosporus* Singer, 1961a: 117, 130
HOLOTYPE: Venezuela. Mérida: Sierra de Santo Domingo, 31 July 1958, *Dennis 1756* (LIL, K)
- minor* var. *quercuum* Singer, 1973d: 64
HOLOTYPE: Colombia. Cauca: road between Cali and Popayán, 28 April 1968, *Singer B 6770* (F)
- neophlebophorus* Singer, 1958g: 262
HOLOTYPE: Bolivia. El Beni: Vaca Diez, Guayaramerín, 18 March 1956, *Singer B 2128* (LIL)
- nigropallescens* Singer, 1961a: 116, 130
HOLOTYPE: Venezuela. Mérida: Sierra de Santo Domingo, 1 August 1958, *Buza & Dennis [Dennis no.] 1781* (LIL, K)
- oligocystis* Singer, 1958g: 266
HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Río Yariza, 23 February 1956, *Singer B 1420* (LIL)
- paraensis* Singer, 1973d: 65
HOLOTYPE: Brazil. Pará: Estancia Pirelli, 7 June 1966, *Singer B 4238* (BAFC)
- paraensis* var. *mexicanus* Singer, 1973d: 65
HOLOTYPE: Mexico. Morelos: near Tepoztlán, 16 February 1969, *Singer M 8487* (F)
- pluvialis* Singer, 1958g: 234
HOLOTYPE: Bolivia. Pando: Manuripi, Conquista, Río Madre de Dios, 25 March 1956, *Singer B 2194* (LIL)
- polycystis* Singer, 1958g: 271
HOLOTYPE: Argentina. Misiones: Iguazú, Refugio Yaguareté, Parque Nacional Iguazú, 17 April 1957, *Singer M 1066* (LIL)
- pouzarianus* Singer, 1983a: 283
HOLOTYPE: Czechoslovakia. Bohemia: Tachov, near Rozvadov, 22 September 1967, *Pouzar PR 628956* (PR)
- pulverulentus* var. *pseudonanus* Singer, 1958g: 289
HOLOTYPE: Argentina. Salta: Burruyacu, 17 February 1957, *Singer T 2986* (LIL). Also see *Trans. Brit. Mycol. Soc.* 39, fig.57, 1956 (= *Singer*, 1956c)
- riberaltensis* Singer, 1958g: 255
HOLOTYPE: Bolivia. El Beni: Vaca Diez, Riberalta, 30 March 1956, *Singer B 2336* (LIL)
- riberaltensis* var. *conquistensis* Singer, 1958g: 255
HOLOTYPE: Bolivia. Pando: Manuripi, Conquista, 24 March 1956, *Singer B 2177* (LIL)
- riberaltensis* var. *missionensis* Singer, 1961a: 123, 131
HOLOTYPE: Argentina. Misiones: Iguazú, 29 February 1960, *Guerrero 130* (LIL)
- ricardii* Singer, 1969a: 158
HOLOTYPE: Chile. Concepción: Boca del Bio-Bio, 11 November 1967, *Singer M 7819* (SGO)
- rimosellus* Singer in *Singer & Digilio*, 1951e: 262
HOLOTYPE: Argentina. Tucumán: Río de los Sosas, 1 January 1951, *Singer T 1089* (LIL) [Published in 1952]
- rimosoaffinis* Singer, 1956c: 211
HOLOTYPE: Argentina. Tucumán, 19 November 1954, *Singer T 2011* (LIL, K)
- riograndensis* Singer, 1953d: 116
HOLOTYPE: Brazil. Rio Grande do Sul: Sao Leopoldo, 31 October 1951, *Singer B 31* (LIL)
- riograndensis* var. *atromarginatus* Singer, 1961a: 128, 131
HOLOTYPE: Argentina. Tucumán: Tafí del Valle, 20 July 1958, *Singer T 3141* (LIL)
- rubrotomentosus* Singer, 1958g: 228
HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Río Yariza, 23 February 1956, *Singer B 1412* (LIL)
- rugososulcatus* Singer, 1958g: 250
HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Cataratas de San Juan, 28 January 1956, *Singer B 609* (LIL)
- salicinus* var. *achloes* Singer, 1956c: 183
HOLOTYPE: USA. Michigan: Cheboygan County, Douglas Lake, 7 July 1953, *Singer N 468* (F)
- sanctixaverii* Singer, 1958g: 264
HOLOTYPE: Argentina. Tucumán: San Javier, 13 January 1957, *Singer T 2878* (LIL)
- sapiicola* Singer, 1958g: 290
HOLOTYPE: Argentina. Salta: Güemes, Quebrada de Yaquiásme, 7 February 1957, *Singer T 2960* (LIL)
- sergii* Singer, 1958g: 253
HOLOTYPE: Bolivia. Pando: Madre de Dios, Las Piedras, 5 April 1956, *Singer B 2513* (LIL)
- spiegazzinianus* Singer, 1952c: 221
HOLOTYPE: Argentina. Tierra del Fuego: Río Grande, Estancia Nueva Argentina, 16 February 1950, *Singer M 303* (LIL)
- stephanobasis* Singer, 1958g: 212
HOLOTYPE: Argentina. Tucumán: S. M. Tucumán, 21 April 1956, *Singer T 2802* (LIL)
- subfibrillosus* Singer, 1956c: 187
HOLOTYPE: Brazil. Rio de Janeiro: Angra dos Reis, 30 September 1952, *Singer B 433* (F)

subminutus Singer, 1958g: 269

HOLOTYPE: Bolivia. La Paz: Nor Yungas, Río Yariza, 23 February 1956, *Singer B 1419* (LIL)

substigmaticus Singer, 1958g: 273

HOLOTYPE: Bolivia. Pando: Manuripi, Conquista, 24 March 1956, *Singer B 2183* (LIL)

sulcatus Singer in Singer & Digilio, 1951e: 265

HOLOTYPE: Argentina. Tucumán: Tañi del Valle, Quebradita, 15 January 1950, *Singer T 876* (LIL) [Published in 1952]

triplocystis Singer, 1973d: 63

HOLOTYPE: Mexico. Veracruz: near Montepío, 22 June 1969, *Singer M 8141* (F)

tucumanus Singer in Singer & Digilio, 1951e: 269

HOLOTYPE: Argentina. Tucumán: Río de los Sosas, 18 January 1950, *Singer T 921* (LIL) [Published in 1952]

umbrinoalbidus Singer, 1953d: 134

HOLOTYPE: Brazil. Río Grande de Sul: Estacio Sao Salvador, 9 November 1951, *Singer B 124* (LIL)

variipes Singer, 1956c: 218

HOLOTYPE: Argentina. Tucumán: Quebrada de la Higuera, January, *Singer T 2100* (LIL)

variipes var. *atrofibrillosus* Singer, 1958g: 266

HOLOTYPE: Argentina. Tucumán: Quebrada de la Higuera, 25 January 1955, *Singer T 2099* (LIL)

varzeicola Singer, 1989a: 97

HOLOTYPE: Brazil. Amazonas: Ilha Marchantaria, 9 March 1983, *Singer and others [Singer no.] B 12397* (F)

viscidulus Singer in Singer & Digilio, 1951e: 255

HOLOTYPE: Argentina. Tucumán: near Tapia, 1 January 1949, *Singer T 797* (LIL) [Published in 1952]

xanthopus Singer, 1958g: 282

HOLOTYPE: Argentina. Tucumán: San Javier, 28 January 1957, *Singer T 2916* (LIL)

xylophilus var. *major* Singer, 1958g: 210

HOLOTYPE: Argentina. Tucumán: Anta Muerta, 24 November 1950, *Singer T 1042* (LIL)

yungensis Singer, 1958g: 232

HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Río Llolosa, 31 January 1956, *Singer B 777* (LIL)

PODABRELLA Singer, 1945c: 143

Type species: *Agaricus microcarpus* Berk. & Br.

albida Singer, 1989a: 7

HOLOTYPE: Costa Rica. Guanacaste: near Bagaces, October 1982, *L D Gómez 18718* (F)

epipolia Singer, 1989a: 7

HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 23 March 1978, *Singer B 10850* (INPA)

poliophax Singer, 1989a: 8

HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 18 May 1977, *Singer B 9658* (INPA)

POLYPLOCIUM

patagonicum Singer, 1969a: 370

HOLOTYPE: Argentina. Neuquén: San Ignacio, 4 November 1966, *Singer M 6005* (BAFC)

POROMYCENA

anastomosans Singer, 1945g: 220

Type information: USA. Florida: Highlands County, Highlands Hammock State Park, *Singer* (FH)

PORPHYRELLUS

festivus Singer, 1961h: 18

HOLOTYPE: Brazil. Pernambuco: Dois Irmãos, 13 July 1960, *Singer B 3384* (LIL)

rionegrensis Singer & Araujo, 1978a: 436

HOLOTYPE: Brazil. Amazonas: Along Río Negro, 20 km downstream from Sao Gabriel des Cachoeiras, 20 January 1978, *Araujo 937* (INPA)

zaragozae Singer & Garcia, 1991a: 69, 88

HOLOTYPE: Mexico. Nuevo León: Agua del Toro, Municipio Zaragoza, 11 September 1982, *Garcia 2294* (F)

PORPOLOMA Singer, 1952c: 197, 198

Type species: *Porpoloma sejunctum* Singer

portentosum Singer, 1952c: 199

HOLOTYPE: Argentina. Tierra del Fuego: Río Grande, Estancia Nueva Argentina, 10 February 1950, *Singer M 149* (LIL)

sejunctum Singer, 1952c: 198

HOLOTYPE: Argentina. Tierra del Fuego: Río Grande, Estancia Nueva Argentina, 13-18 February 1950, *Singer M 256* (LIL)

terreum Singer, 1952c: 201

HOLOTYPE: Argentina. Tierra del Fuego: Usuaia, Lago Fagnano, 19 February 1950, *Singer M 372* (LIL)

PSATHYRA

codinae Singer, 1947c: 230

Type information: Spain. Catalonia: Riu de Bon-aigua, July 1934.

muricellata Singer, 1938e: 13

Type information: USSR. Leningrad, 1936, *Singer* (LE?)

PSATHYRELLA

acutissima Singer, 1969a: 186
HOLOTYPE: Argentina. Río Negro: Laguna Frías, Puerto Alegre, 13 March 1959, *Singer M 1756* (BAFC)

aequatoria Singer, 1978h: 50
HOLOTYPE: Ecuador. Tungurahua: Río Verde, 26 April 1973, *Singer B 7129* (F)

annulosa Singer, 1973d: 70
HOLOTYPE: Brazil. Pará: Belém, 5 June 1965, *Singer B 4192* (BAFC)

apora Singer, 1969a: 192
HOLOTYPE: Chile. Valdivia: Hueycolla, 4 May 1967, *Singer M 6702* (SGO)

argillospora Rick ex Singer, 1973d: 71
HOLOTYPE: Colombia. Cauca: In region “Gabriel López”, 4 April 1968, *Singer B 6992* (F)

chiloensis Singer, 1969a: 197
HOLOTYPE: Chile. Chiloe: Pudeto, May 1967, *M. Singer & Hernandez [Singer no.] M 6792* (SGO)

crinipellis Singer, 1973d: 71
HOLOTYPE: Mexico. Chiapas: 15 km toward west of San Cristobal de la Casas, 2 August 1969, *Singer M 8825* (F)

dactylocystis Singer, 1969a: 188
HOLOTYPE: Argentina. Río Negro: Cerro Otto, 17 November 1964, *Singer M 4012* (BAFC)

dactylocystis f. *rugulosiceps* Singer, 1969a: 189
HOLOTYPE: Argentina. Neuquén: Puerto Manzano, 5 April 1963, *Singer M 3282 A* (BAFC)

dactylocystis f. *latispora* Singer, 1969a: 189
HOLOTYPE: Argentina. Neuquén: Cerro Colorado, 9-10 March 1959, *Singer M 1731* (BAFC)

fascicularis Singer, 1978h: 51
HOLOTYPE: Ecuador. Tungurahua, between the Ulva bridge and San Antonio, 29 April 1973, *Singer B 7186* (F)

hesleriiaffinis Singer, 1978h: 52
HOLOTYPE: Ecuador. Napo: Lago Agrio, 16 May 1973, *Singer B 7507* (F)

janauariensis Singer, 1989a: 101
HOLOTYPE: Brazil. Amazonas: Lago Janauari, 18 April 1983, *Singer B 12447* (F)

laevissima var. *nothofagi* Singer, 1969a: 197
HOLOTYPE: Chile. Valdivia: Cuesta Santa Elvira, 15 May 1967, *Singer M 6918* (SGO)

lignatilis Singer, 1989a: 101
HOLOTYPE: Brazil. Amazonas: Road Manaus-Caracará, km 45, 11 July 1977, *Singer B 10076* (INPA)

macquariensis Singer, 1959b: 392
HOLOTYPE: Australia. Macquarie Island: Tent Hill, 15 November 1951, *Bunt MB/51/B6* (LIL)

marthae Singer, 1969a: 183
HOLOTYPE: Argentina. Neuquén: Nahuel Huapi National Park, above Puerto Manzano, 11 April 1963, *M. & R. Singer M 3380* (BAFC)

metuloidophora Singer, 1973d: 72
HOLOTYPE: Argentina. Tucumán: Sierra de San Javier, 16 January 1960, *Singer T 3538* (LIL)

moseri Singer, 1969a: 187
HOLOTYPE: Argentina. Neuquén: Nahuel Huapi National Park, above Puerto Manzano, 11 April 1963, *Singer M 3379* (BAFC)

nothomyrciae Singer, 1969a: 183
HOLOTYPE: Chile. Valparaíso: Quintero, 5 June 1967, *Villagrán [Singer no.] M 6944* (SGO)

patagonica Singer, 1969a: 194
HOLOTYPE: Argentina. Neuquén: Puerto Manzano, 5 April 1963, *Singer M 3275* (BAFC)

phaeocystidiata Singer, 1973d: 73
HOLOTYPE: Argentina. Jujuy: Lagunas de Yala, 14 February 1966, *Singer T 5138* (F)

polycystidiosa var. *exumbonata* Singer, 1969a: 190
HOLOTYPE: Argentina. Neuquén: Nahuel Huapi National Park, Arroyo Frutillas, 21 April 1965, *Singer M 5104* (BAFC)

polycystidiosa var. *minor* Singer, 1969a: 190
HOLOTYPE: Argentina. Neuquén: Quetrichué, 11 November 1966, *Singer M 6070* (BAFC)

polycystidiosa var. *polycystidiosa* Singer, 1969a: 190
HOLOTYPE: Chile. Valdivia: Cordillera Pelada, Chivería, 22 April 1964, *Singer M 3409* (BAFC)

rhizophorae Singer, 1973d: 74
HOLOTYPE: USA. Hawaii: Oahu, 4 June 1968, *Kohlmeyer 2564* (Kohlmeyer)

riparia Singer, 1973d: 74
HOLOTYPE: Argentina. Corrientes: Curuzú Cuatiá, 8 February 1964, *Singer S 422* (BAFC)

segregis Singer, 1989a: 102
HOLOTYPE: USA. Michigan: Berrien County, 29 September 1973, *Singer N 4500* (F)

sepuchralis Singer, Smith & Guzmán, 1958l: 26
HOLOTYPE: Mexico. Oaxaca: near San Agustín Loxicha, 14 September 1957, *Guzmán SA-1140* (MICH)

squarrosiceps Singer, 1978h: 53
HOLOTYPE: Ecuador. Napo: Lago Agrio, 8 May 1973, *Singer T 7276* (F)

subandina Singer, 1969a: 195
HOLOTYPE: Argentina. Neuquén: Puerto Manzano, 5 April 1963, *Singer M 3278* (BAFC)

subconocyboides Singer, 1978h: 54
HOLOTYPE: Ecuador. Napo: Lago Agrio, 9 May 1973, *Singer B 7320* (F)

subprona Singer, 1969a: 193

HOLOTYPE: Chile. Valdivia: Hueycolla, near Ocean, 1 May 1967, *Singer M 6578* (SGO)

tilcariensis Singer, 1969a: 192

HOLOTYPE: Argentina. Jujuy: Tilcara, Garganta del Diablo, 21 March 1955, *Singer T 2312* (LIL)

tristis Singer, 1969a: 197

HOLOTYPE: Argentina. Río Negro: Nahuel Huapí National Park, Brazo Tristeza, 7 May 1964, *Singer M 3978* (BAFC)

valdiviana Singer, 1969a: 185

HOLOTYPE: Chile. Valdivia: Cordillera Pelada, 7 May 1965, *Singer M 5570* (BAFC)

varzeae Singer, 1989a: 102

HOLOTYPE: Brazil. Amazonas: Lago Janauari, 18 March 1983, *Singer B 12430* (F)

PSEUDOBAEOSPORA

defibulata Singer, 1963g: 13

HOLOTYPE: Argentina. Tucumán: San Javier, 28 February 1962, *Singer & Horak T 3775* (LIL)

flavescens Singer, 1969a: 172

HOLOTYPE: Chile. Coquimbo: Fray Jorge, 16 April 1967, *Singer M 6525* (SGO)

syringea Singer, 1963g: 15

HOLOTYPE: Peru. Cuzco: Tambomachai, 19 May 1958, *Singer B 3001* (LIL)

PSEUDOCPLITOCYBE

beschidica Singer & Kuthan, 1980a: 70

HOLOTYPE: Czechoslovakia. Moravia: Beskydy, Nature preserve Mínoš near Horní Lomná, 20 July 1974, *Kuthan & Singer [Singer no.] C 5592* (F)

martipanis Singer, 1969a: 64

HOLOTYPE: Chile. Valdivia: Cordillera Pelada, Chivería, 7 May 1967, *Singer M 6758* (SGO)

PSEUDOHMATULA

callistosporoides Singer, 1961b: 59

HOLOTYPE: Argentina. Tucumán: Sierra de San Javier, 7 January 1959, *Singer T 3196* (LIL)

guzmaniana Singer, 1973d: 33

HOLOTYPE: Mexico. Morelos, Parque Nacional de Lagunas de Zampolá, 3 July 1962, *Guzman 2978* (F)

haedinopsis Singer, 1978h: 44

HOLOTYPE: Ecuador. Tungurahua: Río Topo, 30 April 1973, *Singer B 7227* (F)

panamensis Singer, 1955a: 772

HOLOTYPE: Panama. Zona Canalis: Corund, 13 August 1952, *Martin & Welden 8335* (F, 1A)

PSEUDOOMPHALINA

arsitophylli Singer, 1973d: 17

HOLOTYPE: Colombia. Boyacá: Páramo quertero above Picho, 26 July 1960, *Singer B 3530* (LIL)

PSILOBOLETINUS Singer, 1945b: 250

Type species: *Phylloporus lariceti* Singer

PSILOCYBE

aequatoria Singer, 1978h: 59

HOLOTYPE: Ecuador. Napo: Lago Agrio, 14 May 1973, *Singer B 7425* (F)

aggericola Singer & Smith, 1958k: 142

HOLOTYPE: Argentina. Tucumán: road to Tafí del Valle, Río de los Sosas, 13 December 1949, *Singer T 760* (MICH)

alpestris Singer, 1989a: 108

HOLOTYPE: Austria. N. O.: Hoch-Schneeberg, 16 August 1979, *Singer C 9168* (WU)

araucana Singer, 1969a: 239

HOLOTYPE: Argentina. Neuquén: Puerto Manzano, 22 April 1964, *Singer M 3402* (BAFC, SGO)

baecystis Singer & Smith, 1958k: 141

HOLOTYPE: USA. Oregon: Eugene, 1 November 1945, *Sipe* (MICH)

caerulipes var. *gastonii* Singer, 1958d: 236

HOLOTYPE: Mexico. Oaxaca: Huautla de Jiménez, 13 July 1958, *Guzmán Huerta GH-1128 A* (LIL). Isotype: Instituto Politécnico, Mexico D.F.

caesioannulata Singer, 1965i: 165

HOLOTYPE: Chile. Valdivia: near Hueycolla, 20 March 1963, *Singer M 3248* (BAFC)

candidipes Singer & Smith, 1958k: 141

HOLOTYPE: Mexico. Oaxaca: Huautla, 10 July 1957, *Singer M 1514* (MICH)

carbonaria Singer, 1965i: 166

HOLOTYPE: Chile. Valdivia: Cordillera Pelada, 31 March 1963, *Singer M 3267* (BAFC)

chilensis Singer, 1965i: 168

HOLOTYPE: Chile. Valdivia: Cordillera Pelada, 30 March 1963, *Singer M 3241* (BAFC)

chrysocystidiata Singer, 1973d: 82

HOLOTYPE: Bolivia. El Beni: Vaca Díez, 8 March 1956, *Singer B 1747* (BAFC)

collybioides Singer & Smith, 1958k: 141

HOLOTYPE: Argentina. Tucumán: Tafí del Valle, 25 February 1952, *Singer T 1882* (MICH)

cordobensis Singer, 1973d: 83

HOLOTYPE: Argentina. Jujuy: Lagunas de Yala, 13 February 1965, *Singer T 4059* (F)

februaria Singer, 1989a: 108

HOLOTYPE: Bolivia. La Paz: Nor-Yungas, 7 February 1956, *Singer B 976* (LIL)

flammuliformis Singer, 1969a: 247

HOLOTYPE: Chile. Valdivia: Cordillera Pelada, 6 May 1965, *Singer M 5523* (BAFC)

isauri Singer, 1958d: 237

HOLOTYPE: Mexico. Oaxaca: Huautla de Jiménez, 13 July 1958, *Guzmán Huerta GH-1128* (LIL). Isotype: Instituto Político, Mexico D.F.

jujuensis Singer, 1973d: 82

HOLOTYPE: Argentina. Córdoba: Pampa de Achala, 31 December 1966, *Singer B 4313a* (F)

laetissima Hausknecht & Singer, 1986e: 295

HOLOTYPE: Austria. Vienna: Lobau, 13 September 1980, *Hausknecht & Egle 917.0* (WU). Isotype: F

lazo Singer, 1969a: 242

HOLOTYPE: Chile. Colchagua: Pumanque, 1967, *Lazo PU-151* (SGO)

longinqua Singer, 1959n: 578

HOLOTYPE: Australia. Macquarie Island, 1 May 1949, *Bunt* (LIL)

marthae Singer, 1969a: 255

HOLOTYPE: Chile. Valdivia: Cordillera Pelada, 7 May 1967, R. & M. Singer (SGO). No collection number given.

mesospora Singer, 1969a: 245

HOLOTYPE: Argentina. Neuquén: Quetrihué, 21 April 1965, *Singer M 5128* (BAFC)

muliercula Singer & Smith, 1958k: 142

HOLOTYPE: Mexico. Piedras Blancas, 28 July 1957, *Singer M 1611* (MICH)

omnium-sanctorum Singer, 1969a: 249

HOLOTYPE: Chile. Llanquihué: Puella, Lago Todos los Santos, 22 March 1959, *Singer M 1992* (LIL)

peladae Singer, 1969a: 254

HOLOTYPE: Chile. Valdivia: Cordillera Pelada, 7 May 1967, *Singer M 6782* (SGO)

pericystis Singer, 1989a: 109

HOLOTYPE: Brazil. Amazonas: 25 km N of Manaus, 28 June 1978, *Singer B 11261* (INPA)

peruviana Singer, 1959n: 583

HOLOTYPE: Peru. Cuzco: Lamay, 21 May 1958, *Singer B 3032* (LIL)

praetervisa Singer, 1969a: 244

HOLOTYPE: Argentina. Neuquén: Lago Correntoso, 12 March 1963, *Singer M 3506* (BAFC)

pteridophytorum Singer, 1959n: 582

HOLOTYPE: Argentina. Tucumán: Río de los Sosas, 4 February 1955, *Singer T 2132* (LIL)

semilanceata var. *microspora* Singer, 1969a: 247

HOLOTYPE: Chile. 28 March 1953, *Singer M 3236* (BAFC). Also see Singer, 1965i.

sierrae Singer, 1969a: 240

HOLOTYPE: Chile. Maule: between Chovellén and Trehualmu, 3 August 1967, *Singer M 7214* (SGO)

squarrosipes Singer, 1959n: 580

HOLOTYPE: Argentina. Tucumán: Infiernillo, 10-11 March 1955, *Singer T 2254* (LIL)

strictipes Singer & Smith, 1958k: 141

HOLOTYPE: USA. Oregon: near Welches, *Gruber & Smith [Smith no.] 202448* (MICH)

subhyperella Singer, 1973d: 83

HOLOTYPE: Colombia. Cundinamarca: Salto de Tequendama, 24 July 1960, *Singer B 3502* (F)

valdiviensis Singer, 1969a: 251

HOLOTYPE: Chile. Valdivia: Cordillera Pelada, 7 May 1965, *Singer M 5473* (BAFC)

yungensis Singer & Smith, 1958k: 142

HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Cataratas San Juan, 28 January 1956, *Singer B 648* (MICH)

yungensis var. *diconica* Singer & Smith, 1958k: 142

HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Cataratas San Juan, 28 January 1956, *Singer B 651* (MICH)

PULVEROBOLETUS

duckeanus Singer, 1983f: 95

HOLOTYPE: Brazil. Amazonas: Reserva Ducke, 6 km from entrance, 25 km N of Manaus, 28 June 1978, *Freire & Singer [Singer no.] B 11247* (INPA)

leucomyelinus Singer & Ivory, 1983f: 93

HOLOTYPE: Honduras. Siguatepeque, 12 October 1976, *Ivory S/246* (F)

mazatecorum Singer, 1973d: 102

HOLOTYPE: Mexico. Oaxaca: San Andrés Hidalgo, 9 July 1969, *Singer M 8361* (F)

paspali Singer & Grinling, 1967c: 373

HOLOTYPE: Zaire. Brazzaville: Djoué, no date, *Grinling 41,104* (BAFC)

rosaemariae Singer, 1983f: 99

HOLOTYPE: Brazil. Amazonas: Laguna Janauari, 31 December 1978, *Singer B 11458* (INPA)

shoreae Singer & Singh, 1971a: 28

HOLOTYPE: India. Uttar Pradesh: Dehra Dun, 20 July 1968, *Bakshi 9022* (FRI, F) (FRI = Forest Research Institute, India)

PYRRHOGLOSSUM Singer, 1944a: 367

Type species: *Agaricus (Crepidotus) pyrrhus* Berk. & Curt.

lilaceipes Singer, 1961b: 77

HOLOTYPE: Bolivia. La Paz: Nor-Yungas, 17 February 1956, *Singer B* 1225 (LIL)

macrosporum Singer, 1973d: 92

HOLOTYPE: Bolivia. La Paz: Nor-Yungas, 17 February 1956, *Singer B* 1229 (BAFC)

recedens Singer, 1973d: 91

HOLOTYPE: Argentina. Jujuy: Lagunas de Yala, 14 February 1966, *Singer T* 5143 (F)

stipitatum Singer, 1948c: 37

HOLOTYPE: Guiana. Bartica, 1 January 1924, *Linder* 620 (FH)

RADIIGERA*paulensis* Singer, Wright & Horak, 1963d: 600, 610

HOLOTYPE: Brazil. São Paulo: "Cerradao" de Itirapina, along road from São Paulo to São Carlos, 16 May 1962, *Milanez & Fidalgo s.n.* (BAFC)

RAJAPA Singer, 1945c: 142

Type species: *Agaricus eurhizus* Berk.

RAMARIA*griseobrunnea* Singer, 1983f: 19

HOLOTYPE: Brazil. Pará: Estancia Pirelli, 7 June 1966, *Singer B* 4216 (BAFC)

inedulis Singer, 1969a: 384

HOLOTYPE: Argentina. Río Negro: Laguna Frías, 21 March 1963, *Singer M* 3106 (BAFC)

valdiviana Singer, 1969a: 385

HOLOTYPE: Chile. Valdivia: Cuesta Santa Elvira, 15 May 1967, *Singer M* 6916 (SGO)

RESINOMYCENA Redhead & Singer, 1981b: 151

Type species: *Agaricus rhododendri* Peck

acadiensis Redhead & Singer, 1981b: 162

HOLOTYPE: Canada. New Brunswick: Kouchibouguac National Park, 24 September 1977, *J.E. & S.A. Redhead* 2558 (166073, DAOM)

brunnescens Redhead & Singer, 1981b: 163

HOLOTYPE: Canada. New Brunswick: Kouchibouguac National Park, 13 July 1977, *J.E. & S.A. Redhead* 2336 (165884, DAOM)

montana Redhead & Singer, 1981b: 157

HOLOTYPE: Canada. British Columbia: Rocky Mountain trench, Donald Station, 21 September 1980, *Redhead* 3977 (178215, DAOM)

RESUPINATUS*alboniger* var. *bisporus* Singer, 1978h: 19

HOLOTYPE: Venezuela. Sucre: NW of Irapa, Trail N of Manacal, 9 July 1972, *Dumont et al. VE* 4510 (NY)

chilensis Singer, 1946g: 134

Type information: Chile. Magallanes: Arenas, near Punta, *Thaxter* (FH). [Published in 1948].

omphalioides Singer, 1965i: 150

HOLOTYPE: Chile. Valdivia: Cordillera Pelada, 31 March 1963, *Singer M* 3262 (BAFC)

subrhacodium Singer in Singer & Digilio, 1951e: 104

HOLOTYPE: Argentina. Tucumán: Río de los Sosas, 10 March 1950, *Singer T* 936 (LIL) [Published in 1952]

RHODOARRHENIA Singer, 1964b: 142

Type species: *Merulinus pezizoides* Speg.

albocrema Singer, 1964b: 143

HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Carmen Pampa, 19 February 1956, *Singer B* 1271 (LIL, BAFC)

nobilis Singer, 1964b: 144

HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Carmen Pampa, 19 February 1956, *Singer B* 1274 (LIL, BAFC)

RHODOCYBE*alutacea* Singer, 1946e: 688

HOLOTYPE: USA. Florida: Dade County, Matheson Hammock, 29 September 1942, *Singer F* 908 (FH)

angustispora Singer, 1989a: 122

HOLOTYPE: Costa Rica. Guanacaste: Parque Nacional Santa Rosa, 25 July 1981, *Singer B* 12470-12478 (F)

australis Singer, 1969a: 335

HOLOTYPE: Argentina. Neuquén: Nahuel Huapi National Park, Arroyo Frutillas, 28 April 1964, *Singer M* 3619 (BAFC)

collybioides Singer in Singer & Digilio, 1951e: 425

HOLOTYPE: Argentina. Tucumán: Río Lules, 2 April 1949, *Singer T* 366 (LIL) [Published in 1952]

conica Singer, 1989a: 122

HOLOTYPE: Brazil. Amazonas: Road Manaus-Caracará, km 125, 21 May 1978, *Singer B* 11049 (INPA)

crepidotoides Singer, 1973d: 95

HOLOTYPE: Brazil. Paraíba: João Pessoa, 11 July 1960, *Singer B* 3333 (BAFC)

- galerinoides* Singer, 1961b: 81
HOLOTYPE: Bolivia. El Beni: Vaca Diez, 14 March 1956, *Singer B* 1973 (LIL)
- gilvodes* var. *convexa* Singer, 1958d: 242
HOLOTYPE: Mexico. Oaxaca: Huautla de Jiménez, 10 July 1957, *Singer B* 1511 (LIL)
- hawaiiensis* Singer, 1989a: 123
HOLOTYPE: USA. Hawaii: Kauai, 24 January 1981, *Singer H* 1 (F)
- ianthinocystis* Singer in Singer & Digilio, 1951e: 427
HOLOTYPE: Argentina. Tucumán: Río Cochuna, 20 February 1951, *Singer T* 1286 (LIL) [Published in 1952]
- lactariiformis* Singer, 1961b: 81
HOLOTYPE: Bolivia. El Beni: Vaca Diez, 17 March 1956, *Singer B* 2070 (LIL)
- laeta* Singer, 1961b: 80
HOLOTYPE: Bolivia. El Beni: Vaca Diez, 14 March 1956, *Singer B* 1951 (LIL)
- lignicola* Singer, 1961b: 80
HOLOTYPE: Bolivia. Yungas: La Paz, Nor-Yungas, Carmen Pampa, 20 February 1956, *Singer B* 1495 (LIL)
- marasmioides* Singer in Singer & Digilio, 1951e: 424
HOLOTYPE: Argentina. Tucumán: near Tapia, 12 February 1951, *Singer T* 1192 (LIL) [Published in 1952]
- mycenoides* Singer in Singer & Digilio, 1951e: 423
HOLOTYPE: Argentina. Tucumán: Cerro Alto del Taficillo, 4 March 1951, *Singer T* 1396 (LIL) [Published in 1952]
- naucoria* Singer in Singer & Digilio, 1951e: 425
HOLOTYPE: Argentina. Tucumán: Tapia, 15 April 1951, *Singer T* 1485 (LIL) [Published in 1952]
- russularia* Singer, 1961b: 80
HOLOTYPE: Bolivia. El Beni: Vaca Diez, 8 March 1956, *Singer B* 1709 (LIL)

RHODOPHYLLUS

- austroanatinus* var. *austroanatinus* Singer, 1969a: 337
HOLOTYPE: Argentina. Río Negro: Laguna Frías, 21 March 1963, *Singer M* 3093 (BAFC)
- austroanatinus* var. *defibulatus* Singer, 1969a: 337
HOLOTYPE: Chile. Coquimbo: Fray Jorge, 16 April 1967, *Singer M* 6533 (SGO)
- cantharelluloides* Singer, 1965e: 45
HOLOTYPE: Brazil. Paraíba: João Pessoa, 11 July 1960, *Singer B* 3360 (BAFC)

- crinipelloides* Singer, 1978h: 75
HOLOTYPE: Ecuador. Napo: Lago Agrio, 8 May 1973, *Singer B* 7305 (F)
- cryptochrous* Singer, 1969a: 338
HOLOTYPE: Argentina. Neuquén: Villa La Angostura, 29 April 1964, *Singer M* 3646 (BAFC)
- dissimilis* var. *aporpus* Singer, 1969a: 343
HOLOTYPE: Chile. Coquimbo: Fray Jorge, 16 April 1967, *Singer M* 6526 (SGO)
- dissimilis* var. *dissimilis* Singer, 1969a: 342
HOLOTYPE: Argentina. Neuquén: Lago Correntoso, 25 April 1964, *Singer M* 3487 (BAFC)
- dragonosporus* Singer, 1965e: 46
HOLOTYPE: Bolivia. El Beni: Vaca Diez, 17 March 1956, *Singer B* 2106 (BAFC, LIL)
- farlowii* Singer, 1945e: 49
HOLOTYPE: USA. New Hampshire: Chocorua, July 1941, *Linder & Singer* (FH)
- ferrugineogranulatus* Singer, 1973d: 96
HOLOTYPE: Colombia. Valle: Cali, Buenaventura, 23 April 1968, *Singer B* 6325 (F)
- fraternus* Singer, 1973d: 97
HOLOTYPE: Brazil. Pernambuco: Dois Irmãos, 5 August 1960, *Singer B* 3074 (BAFC)
- hololeucus* Singer, 1969a: 348
HOLOTYPE: Chile. Llanquihué: 15 km NE of Puerto Pargua, 9 May 1967, *Singer M* 6800 (SGO)
- lacteoniger* Singer, 1969a: 345
HOLOTYPE: Argentina. Neuquén: Villa La Angostura, 25 April 1964, *Singer M* 3645 (BAFC)
- lowyi* var. *lowyi* Singer, 1973d: 97
HOLOTYPE: Brazil. Pará: Belém, 10 June 1966, *Singer and others* [*Singer no.*] *B* 4271 (F)
- lowyi* var. *microspora* Singer, 1973d: 98
HOLOTYPE: Brazil. Pará: Estancia Pirelli, 7 June 1966, *Singer & Emigdio de Melo* [*Singer no.*] *B* 4227 (BAFC)
- lyophylliformis* Singer, 1973d: 98
HOLOTYPE: Colombia. Valle: Cali, Buenaventura, 22 April 1968, *Singer B* 6275 (F)
- mesites* Singer, 1969a: 342
HOLOTYPE: Argentina. Neuquén: Rincón, 13 March 1963, *Singer M* 3534 (BAFC)
- nitens* var. *defibulatus* Singer, 1969a: 344
HOLOTYPE: Chile. Valdivia: Cuesta Santa Elvira, 14 May 1967, *Singer M* 6892 (SGO)
- nubigenus* Singer, 1969a: 348
HOLOTYPE: Argentina. Río Negro: Nahuel Huapí National Park, near Paso de las Nubes, 24 March 1963, *Singer M* 3180 (BAFC)
- patagonicus* Singer, 1969a: 339
HOLOTYPE: Argentina. Río Negro: Laguna Frías, 21 March 1963, *Singer M* 3099 (BAFC)

- perbrevisporus* Singer, 1973d: 99
HOLOTYPE: Brazil. Pará: Estancia Pirelli, 7 June 1966, *Singer B 4217* (F)
- porpoarachnoides* Singer, 1978h: 76
HOLOTYPE: Ecuador. Tungurahua: Río Topo, 30 April 1973, *Singer B 7204* (F)
- pruinosis* Singer, 1969a: 340
HOLOTYPE: Argentina. Neuquén: Puerto Manzano, 5 April 1963, *Singer M 3272* (BAFC)
- pumanquensis* Singer, 1969a: 338
HOLOTYPE: Chile. Colchagua: near Pumanque, 7 August 1967, *Lazo PU-131* (SGO)
- substrictior* Singer, 1965i: 184
HOLOTYPE: Chile. Valdivia: Cordillera Pelada, 28-29 March 1963, *Singer M 3190* (BAFC)
- tephrocye* Singer, 1978h: 78
HOLOTYPE: Ecuador. Tungurahua: Puyo, 26 April 1973, *Singer B 7140* (F)

RIMBACHIA

- palmigena* Singer, 1966a: 11
HOLOTYPE: Bolivia. Pando: Madre de Dios, Las Piedras, 5 April 1956, *Singer B 2503* (LIL, BAFC)

RIPARTITELLA Singer, 1947b: 85

- Type species: *Marasmius squamosidiscus* Murr.

RIPARTITES

- amparae* Singer, 1950c: 195
HOLOTYPE: Argentina. Tucumán: Sierra de San Javier, Anta Muerta, 19 June 1949, *Singer T 576* (LIL)

RUSSULA

- albonigroides* Singer, 1946g: 109
HOLOTYPE: Liberia. Ganta, 19 April 1939, *Harley 77* (FH). [Published in 1948].
- alutacea* f. *pseudoalutacea* Singer, 1934a: 450
Type information: Austria. Lower Austria: near Hintersdorf.
- amnicola* Singer, 1983f: 269
HOLOTYPE: Brazil. Amazonas, 14 December 1978, *Singer B 11438* (INPA). B 11438 was cited as type in Latin diagnosis, but B 11452 was cited as type in English description.
- aosma* Singer, 1952b: 298
HOLOTYPE: Trinidad. Siparia, 3 November 1949, *Dennis 281* (LIL)
- appalachiensis* Singer, 1948c: 39
HOLOTYPE: USA. Virginia: Mountain Lake, 1 August 1946, *Singer V 169* (FH)

- arcyospora* Singer, 1990e: 31
HOLOTYPE: Costa Rica. San José: Jardín de Dota, 6 km W of Empalme, 6 August 1986, *Singer B 14628* (F)
- atropurpurea* var. *atropurpurella* Singer, 1932: 298
Type information: Germany. Bavaria: Aubinger Lohe near Munich.
- atropurpurea* var. *atropurpureoides* Singer, 1932: 299
Type information: Germany. Bavaria.
- atropurpurea* var. *krombholzii* Singer, 1932: 301
No type information.
- atropurpurea* var. *rubripes* Singer, 1932: 300
Type information: Austria. Lower Austria: between Vslau and Merkenstein.
- aucarum* Singer, 1975b: 243
HOLOTYPE: Ecuador. Napo: Shushufindi, 15 May 1973, *Singer B 7440* (F)
- austrodelica* Singer, 1969a: 352
HOLOTYPE: Chile. Valdivia: Cuesta Santa Elvira, 27 April 1967, *Singer M 6544* (SGO)
- austromontana* Singer, 1989a: 126
HOLOTYPE: Costa Rica. San José: El Empalme, 23 July 1981, *Singer B 12402* (F)
- barlae* var. *marthae* Singer, 1982b: 679
Type information: Spain. Catalonia: Vall d'Aran, Seuva above Salardú, September 1934, *Singer* (LE)
- batistae* Singer, 1955d: 228
HOLOTYPE: Brazil. Pernambuco: Iputinga, 7 March 1955, *2042* (LIL)
- boyacensis* Singer, 1963b: 247
HOLOTYPE: Colombia. Boyacá: Tunja, Arcabuco, Finca del Señor Luis Antonio Porras, 29 July 1960, *Singer B 3593* (BAFC)
- brasiliensis* Singer, 1946g: 108
Type information: Brazil. Río Grande do Sul, Rick (FH: Herbarium Patouillard). [Published in 1948].
- caucaensis* Singer, 1989a: 127
HOLOTYPE: Colombia. Cauca: Los Araoz, 12 April 1968, *Singer B 6046* (F)
- cernohorskyi* Singer, 1935b: 300
Type information: China. Yunnan: Li Jiang, around village Ngulukö.
- chamaeleon* Singer, 1937: 227
Type information: USSR. Leningrad: Strelna, July 1936 (LE?)
- citrina* f. *separata* Singer, 1938b: 136
Type information: USA. Washington: S of Lake Crescent, 6 October 1935, *Smith* (MICH?)
- columbiana* Singer, 1963b: 248
HOLOTYPE: Colombia. Cundinamarca: Salto de Tequendama, 23 July 1960, *Singer B 3498* (BAFC)

- costaricensis* Singer, 1983f: 267
HOLOTYPE: Costa Rica. Guanacaste: Parque Nacional Santa Rosa, 25 July 1981, *Gómez & Singer* [*Singer* no.] B 12438 (F)
- crassotunicata* Singer, 1938b: 132
Type information: USA. Washington: Olympic National Forest, Hot Springs, 29 September 1935, *Smith* (MICH)
- cremeo-avellanea* Singer, 1936e: 288
No type information.
- cristulispora* Singer, 1941b: 84
Type information: USSR. Western Caucasus: Krasnodar, 2 August 1936, *Vasilieva* (LE)
- cyanoxantha* f. *peltreaui* Singer, 1925c: 15
No type information.
- cyanoxantha* f. *pallida* Singer, 1923a: 4
No type information.
- dadmunii* Singer, 1948c: 39
Type information: USA. Massachusetts: Cambridge, Harvard, *Dadmun* (FH)
- delica* var. *centroamericana* Singer, 1989a: 128
HOLOTYPE: Costa Rica. San José: La Chonta, 11 July 1982, *Gómez 18191* (F)
- depigmentata* Singer, 1989a: 128
HOLOTYPE: Spain. Catalonia: Tossa, 24 October 1979, *Singer C 9610* (F)
- emetica* f. *knauthii* Singer, 1926: 216
No type information.
- emetica* ssp. *alnijorullensis* Singer, 1950b: 133
Type information: Distributed in Argentina (Tucumán, Catamarca) and Bolivia [Published in 31 December 1950]
- emetica* ssp. *lacustris* Singer, 1950b: 133
HOLOTYPE: U.S.A. Florida: Alachua County, near Newnan's Lake, 28 December 1943, *Singer F 1662* (FH) [Published in 31 December 1950]
- epitheliiosa* Singer, 1983f: 203
HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 12 July 1978, *Freire & Singer* [*Singer* no.] B 11272 (F)
- exalbicans* f. *decolorata* Singer, 1938b: 147
HOLOTYPE: USSR. Kurai and Czuiskie Alpy, July-August 1937 (LE?)
- ferreri* Singer, 1936e: 284
No type information.
- ferrotincta* Singer, 1945d: 428
HOLOTYPE: USA. Florida: Alachua County, Gainesville, *Singer F 1889a* (FH)
- foetens* var. *minor* Singer, 1938b: 135
No type information
- fontqueri* Singer, 1947c: 215
Type information: Spain. Catalonia, Pyrenees Mtns., 1934.
- fuegiana* Singer, 1950b: 125
HOLOTYPE: Argentina. Tierra del Fuego: Río Grande, Estancia Nueva Argentina, 13 February 1950, *Singer M 254* (LIL). [Published in 31 December 1950].
- fusca* ssp. *echinospora* Singer, 1939e: 270
Type information: USA. Michigan: Ann Arbor, July.
- gelatinascens* Singer, 1989a: 129
HOLOTYPE: Czechoslovakia. Bohemia: Bradlo, 10 September 1970, *Singer C 5115* (F)
- gomezii* Singer, 1989a: 129
HOLOTYPE: Costa Rica. Alajuela: San Ramon, 24 July 1981, *Singer B 12429* (F)
- gracilis* ssp. *altaica* f. *emeticicolor* Singer, 1938b: 144
Type information: USSR. Altai Mtns.: Lake Telezkoje, 4 September 1937, *Singer* (LE?)
- gracilis* ssp. *Altaica.ca* Singer, 1938b: 143
Type information: USSR. Altai Mtns. (LE?)
- guayarensis* Singer, 1983f: 205
HOLOTYPE: Bolivia. El Beni: Vaca Diez, Guayaramerín, 9 March 1956, *Singer B 1761* (F)
- handelii* Singer, 1935b: 319
Type information: China. Yunnan: Li Jiang, near village Ngulukö, September-October.
- heterochroa* Singer, 1983f: 273
HOLOTYPE: Brazil. Amazonas: Road Manaus-Caracará, km 125, 22 May 1978, *Singer B 11012* (INPA)
- hoehnelii* Singer, 1946g: 110
Type information: Indonesia: Java. Tjibodas, Höhnel (FH). [Published in 1948].
- hongoi* Singer, 1989a: 130
HOLOTYPE: Japan. Kyoto: Mt. Daimonji, 14 September 1984, *Singer A 4074* (F)
- humboldtii* Singer, 1963b: 245
HOLOTYPE: Colombia. Cundinamarca: above Pacho, "Los Robles", 22 July 1960, *Singer B 3482* (BAFC)
- idroboi* Singer, 1963b: 245
HOLOTYPE: Colombia. Cundinamarca: above Pacho, at "Los Robles", 26 July 1960, *Singer B 3523* (BAFC)
- leguminosarum* Singer, 1983f: 227
HOLOTYPE: Brazil. Amazonas: Road Manaus-Caracará, km 45, 12 January 1979, *Singer B 11485* (INPA)
- leucomodesta* Singer, 1957b: 178
HOLOTYPE: USA. Florida: Alachua County, Newnan's Lake, 23 July 1943, *Singer F 2916* (FH)
- liberiensis* Singer, 1946g: 112
Type information: Liberia. Nengbe, *Harley 50* (FH?). [Published in 1948].
- lutea* f. *maxima* Singer, 1932: 250
Type information: USSR. Caucasus.
- lutea* f. *montana* Singer, 1934a: 450
Type information: Austria. Nürnbergerhütte.
- lutea* var. *subcristulata* Singer, 1938b: 156
Type information: USSR. Caucasus, *Vasilieva* (LE?)

- macropoda* Singer, 1939e: 277
Type information: Type may be in LE.
- maculata* var. *decipiens* Singer, 1930: 211, 212
Type information: Czechoslovakia. near Prague, 1927, *Holuinsky*
- mairei* Singer, 1929f: 308
Type information: Austria. (WU?)
- major* Singer, 1954b: 153
HOLOTYPE: Argentina. Neuquén: Nahuel Huapi National Park, Quetrihué, 13 May 1952, *Singer M 521* (LIL)
- mallophora* Singer, 1950b: 130
HOLOTYPE: Argentina. Tierra del Fuego: Lago Fagnano (Kamel), 19 February 1950, *Singer M 369* (LIL). [Published in 31 December 1950].
- mariae* var. *subflavida* Singer, 1939e: 244
Type information: USA. Collected in 18 August 1931.
- mesospora* Singer, 1938b: 161
Type information: USSR. Altai Mtns.: Lake Teletskoje, August (LE?)
- metachromatica* Singer, 1952b: 297
HOLOTYPE: Venezuela. Aragua: Mt. Periquito, Rancho Grande, Maracay, 19 November 1949, *Dennis 407* (LIL)
- metachromatica* ssp. *tarumaensis* Singer, 1983f: 245
HOLOTYPE: Brazil. Amazonas: Igarapé do Tarumãzinho, 16 April 1980, *Singer B 12105* (INPA)
- microspora* Singer, 1939e: 262
Type information: USA. Michigan: Whitemore Lake, 30 July 1923, *Smith*
- minutula* var. *robusta* Saini, Atri & Singer, 1982c: 239
HOLOTYPE: India. Himachal Pradesh: Simla, Summer Hill, 30 July 1979, *Atri PUN 274* (PUN). Isotype: F
- mitissima* Singer, 1989a: 130
HOLOTYPE: Costa Rica. Alajuela: San Ramon, 24 July 1981, *Singer B 12428* (F)
- montivaga* Singer, 1950b: 131
Type information: Distributed in Argentina (Catamarca, Jujuy) and Bolivia. [Published in 31 December 1950].
- nanella* Singer, 1983f: 271
HOLOTYPE: Brazil. Amazonas: Road Manaus-Caracará, km 106, 4 April 1978, *Singer B 10923* (INPA)
- neodiscopoda* Singer, 1983f: 211
HOLOTYPE: Bolivia. El Beni: Vaca Díez, Guayaramerín, 14 March 1956, *Singer B 1943* (F)
- nitida* var. *oirotica* Singer, 1938b: 160
Type information: USSR. Altai Mtns.: Teletskoje, 9 September 1937, *Singer* (LE?)
- nitida* f. *pseudoamethystina* Singer, 1932: 261
Type information: Germany-Italy.
- nitida* var. *transiens* Singer, 1938b: 160
Type information: USSR. Tian Shan, 1 September 1936, *Nevodovski* (LE?)
- nondorbingi* Singer, 1958q: 275
Type information: New Guinea. Binj, *Christian & Dennis* (MICH)
- nothofaginea* Singer, 1950b: 127
HOLOTYPE: Argentina. Tierra del Fuego: Río Grande, Estancia Nueva Argentina, 16 February 1950, *Singer M 297* (LIL). [Published in 31 December 1950].
- obtecta* Singer, 1939e: 233, 234
Type information: USA. Tennessee: Great Smoky Mountain National Park, Indian Cap, August, *Smith*
- oreina* Singer, 1938b: 142
Type information: USSR. Altai Mtns. (LE?)
- oxydabilis* f. *aberrans* Singer, 1938b: 161
Type information: USSR. Altai Mtns.: Lake Teletskoje, September 1937, *Singer* (LE?)
- pachycystis* Singer, 1983f: 236
HOLOTYPE: Brazil. Amazonas: Road Manaus-Caracará, km 45, 25 June 1980, *Singer B 12123* (INPA)
- pantoleuca* Singer, 1957b: 239
HOLOTYPE: USA. Massachusetts.: Woburn, 18 September 1943, *Singer* (FH)
- patouillardii* Singer, 1935c: 89
Type information: Madagascar. Maromandia (PC)
- peckii* Singer, 1943c: 147
Type information: USA. New York: North Elba or Piseco.
- persobria* Singer, 1939e: 228, 229
Type information: USA. Oregon, October, *Kauffman* (MICH?)
- piceetorum* Singer, 1963f: 294, 301
HOLOTYPE: Austria. Tyrol: St. Leonhard im Pitztal, 22 September 1960, *Singer C 3006* (BAFC)
- pluteoides* Singer, 1989a: 130
HOLOTYPE: Costa Rica. Alajuela: San Ramon, 26 July 1981, *Singer B 12500* (F)
- pluvialis* Singer, 1983f: 221
HOLOTYPE: Brazil. Amazonas: Manaus, 5 June 1977, *Singer B 9933* (INPA)
- polycystis* Singer, 1939e: 238, 239
Type information: USA. Tennessee: Great Smoky Mountain National Park, Mt. Le Conte, 23 August.
- psammophila* Singer, 1989a: 131
HOLOTYPE: USA. Illinois: Lake County, 1 August 1982, *Singer N 5046* (F)
- pseudolepida* Singer, 1939e: 251
Type information: USA. Maryland: Takoma, 8 August 1919, *Kauffman*

- puellaria* var. *caucasica* Singer, 1932: 274
Type information: USSR. Caucasus.
- pyrenaica* Blum ex Singer, 1982b: 686, 687
HOLOTYPE: Spain. Catalonia: La Salut, 25 October 1979, *Singer C 9621* (F)
- quercusoleoidis* Singer, 1983f: 255
HOLOTYPE: Costa Rica. Guanacaste: Parque Nacional Santa Rosa, 25 July 1981, *Gómez & Singer [Singer no.] B 12439-19439a* (F)
- rhodopoda* ssp. *tianschanica* Singer, 1938b: 147
Type information: USSR. Kazakhstan: near Alma Ata, 24 July 1937, *Kuznetzova & Nevodovski* (LE?)
- rosacea* var. *americana* Singer, 1938b: 146
Type information: USA. Washington: Olympic National Forest, Hot Springs, 23 September 1935, *Smith* (MICH?)
- roseipes* ssp. *dictyospora* Singer, 1938b: 155
Type information: USSR. Western Siberia: Altai Mtns., Kebesen, July-September, *Singer* (LE?)
- roseipes* ssp. *thermophila* Singer, 1957b: 257
HOLOTYPE: USA. Florida: Alachua County, Gainesville, 10 July 1943, *Singer F 2682* (FH)
- schiffneri* Singer, 1929b: 88
Type information: USSR. Caucasus.
- semililacea* Singer, 1989a: 132
HOLOTYPE: Colombia. Cundinamarca: near Boyacá, 8 April 1968, *Singer B 6013* (F)
- septentrionalis* Singer, 1936f: 151
Type information: USSR. Umgebung des Dorfes: Schtscheljugur, Flussgebiet der Petschora, 23 August 1926, *Zinserling*
- serotina* f. *minor* Singer, 1941b: 84
Type information: USSR. Western Caucasus: Krasnodar, 27 July 1936, *Vasilieva* (LE?)
- smaragdina* var. *innocua* Singer, 1935b: 304
Type information: Austria. Burgenland: Wienerwald, August.
- smithii* Singer, 1938b: 140
Type information: USA. Washington: Olympic National Forest, 14 September 1935, *Smith* (MICH?)
- sororiicolor* Singer, 1983f: 250
HOLOTYPE: Brazil. Amazonas: Igarapé do Tarumãzinho, 19 March 1980, *Singer B 12045* (INPA)
- sphagnophila* var. *heterosperma* Singer, 1938b: 150
Type information: USSR. Siberia: Oirotia, near lake Teletskoje, August, *Singer* (LE?)
- sphagnophila* var. *subheterosperma* Singer, 1938b: 150
Type information: USSR. Altai Mtns.: Lake Teletskoje, September, *Singer* (LE?)

- sphagnophila* var. *subingrata* Singer, 1930: 209, 212
Type information: Austria or Czechoslovakia, 1925.
- steinbachii* Cernohorsky & Singer, 1934a: 457
"This taxon is established by a watercolor in Vienna Natural History Museum."
- subminutula* Singer, 1947c: 237
Type information: Spain. Catalonia: Riu de Peguera, July 1934.
- subtorulosa* Singer, 1982b: 684, 685
HOLOTYPE: Switzerland. Bern: Gstaad, 17 August 1970, *Singer C 5085* (F)
- subvelata* Singer, 1929b: 90
Type information: USSR. Caucasus.
- tennesseensis* Singer, 1939e: 229, 230
Type information: USA. Tennessee: Great Smoky Mountain Natl Park, Cades Cove, August, *Smith* (MICH?)
- variegata* Singer, 1957b: 186
HOLOTYPE: USA. Florida: Alachua County, Sugarfoot Hammock, 4 July 1943, *Singer F 2544* (FH)
- venezueliana* Singer, 1952b: 295
HOLOTYPE: Venezuela. Dto. Federal: Caracas, 18 November 1949, *Dennis 408* (LIL)
- verna* Singer, 1983f: 216
HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 3 June 1977, *St. John & Singer [Singer no.] B 9918* (INPA)
- vinosa* ssp. *occidentalis* Singer, 1946g: 114
No type information. [Published in 1948].
- wahgiensis* Singer, 1960j: 126
HOLOTYPE: New Guinea. Admin. Australia: Río Wahgi Valle, *Dwyer* (MICH)
- xerampelina* var. *semirubra* Singer, 1957b: 218, 219
HOLOTYPE: USA. Massachusetts, 31 August 1945, *Roxbury, Singer & Linder s. n.* (FH)

SCUTIGER

- brasiliensis* Singer, 1983f: 22
HOLOTYPE: Brazil. Amazonas: Road Manaus-Caracará, km 44, Estacao de Silvicultura Tropical, 6 January 1980, *Webber 139* (INPA)

SCYTINOPOGON Singer, 1945c: 139

- Type species: *Pterula pallescens* Bres.

SETCHELLIOGASTER

- tetrasporum* Singer, 1971d: 467
HOLOTYPE: Chile. Malleco: Cordillera Nahuelbuta, 16 May 1967, *Singer M 6923* (SGO)

SIMOCYBE

aestivalis Singer, 1973a: 49, 516

HOLOTYPE: Mexico. Veracruz: 7 km S of Montepío, Estación Biológica de las Tuxtlas, 20 June 1969, *Singer M 8080* (F)

albovelutina Singer, 1989a: 119

HOLOTYPE: Venezuela. Monagas: Caripe, 18 July 1972, *Dumont and others [Dumont no.] VE 5310* (NY)

alneti Singer, 1989a: 120

HOLOTYPE: Argentina. Jujuy: Lagunas de Yala, 10 February 1966, *Singer T 5024* (F)

amazonica Singer, 1973a: 513, 516

HOLOTYPE: Bolivia. El Beni: Vaca Diez, Riberalta, 29 March 1956, *Singer B 2319* (LIL?)
Latin diagnosis says the type at F, but the type cannot be located at F

coniferarum Singer, 1989a: 120

HOLOTYPE: Switzerland. Vaud: Bois d'Apples, 5 August 1970, *Singer C 5040* (F)

coniferarum var. *quercuum* Singer, 1989a: 120

HOLOTYPE: USA. Illinois: White Pine State Park, 1 September 1975, *Singer N 7541* (F)

coroicensis Singer, 1973a: 507, 516

HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Coroico, 8 February 1956, *Singer B 999* (F)

corticalis Singer, 1978h: 69

HOLOTYPE: Ecuador. Napo: Lago Agrio, 13 May 1973, *Singer B 7388* (F)

junquillea Singer, 1961b: 72

HOLOTYPE: Argentina. Tucumán: Sierra de San Javier, 17 February 1955, *Singer T 2176* (LIL)

magna Singer, 1978h: 70

HOLOTYPE: Ecuador. Napo: Lago Agrio, 8 May 1973, *Singer B 7294* (F)

microlepis Singer, 1978h: 71

HOLOTYPE: Ecuador. Pichincha: Santo Domingo de los Colorados, 21 April 1973, *Singer B 7089* (F)

ovalis Singer, 1961b: 73

HOLOTYPE: Venezuela. Horto Bogotensi, no date, *Dennis 1072* (LIL, K)

panamensis Singer, 1989a: 121

HOLOTYPE: Panama. Panamá: Veraguas, 18 June 1975, *Dumont PA 560* (NY)

peullensis Singer, 1969a: 290

HOLOTYPE: Chile. Llanquihué: Puella, 25 March 1963, *Singer M 3189* (BAFC)

polytropoides Singer, 1961b: 74

HOLOTYPE: Argentina. Tucumán: Playa Grande, 24 January 1951, *Singer T 1120* (LIL)

reductoaffinis Singer, 1961b: 71

HOLOTYPE: USA. Florida: Dade County, 11 December 1942, *Singer F 1618* (F)

tucumana Singer, 1961b: 72

HOLOTYPE: Argentina. Tucumán: Sierra de San Javier, 26 February 1961, *Singer T 3661* (LIL)

urosphaera Singer, 1969a: 289

HOLOTYPE: Argentina. Neuquén: Nahuel Huapi National Park, Arroyo Frutillas, 28 April 1964, *Singer M 3624* (BAFC)

SKEPPERIELLA

populi Singer, 1963e: 210

HOLOTYPE: Argentina. Buenos Aires: Parque Pereyra, 20 June 1962, *Singer S 200* (BAFC)

SMITHIOMYCES Singer, 1944a: 366

Type species: *Leucomyces mexicanus* Murr.

STIGMATOLEMMA

hyalinum Singer, 1989a: 43

HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 30 January 1978, *Singer B 10565* (INPA)

STROBILOMYCES

confusus Singer, 1945a: 108

HOLOTYPE: USA. Florida: Alachua County, Flatwood, east of Gainesville, July 1943, *Singer F 2782* (FH)

pauper Singer, 1983f: 126

HOLOTYPE: Brazil. Amazonas: Road Manaus-Caracará, km 112, 4 April 1978, *Singer B 10915* (INPA)

pterosporus Singer, 1945a: 114

HOLOTYPE: Liberia. Du River, Firestone # 3, *Linder 312* (FH)

STROBILURUS Singer, 1962b: 409

Type species: *Agaricus conigenoides* Ellis

esculentus var. *montezumae* Singer, 1973d: 32

HOLOTYPE: Mexico. Río Frio, 13 July 1969, *Singer s.n.* (F)

STROPHARIA

aeruginosa var. *neuquenensis* Moser & Singer, 1969a: 229

HOLOTYPE: Argentina. Neuquén: Rincón, 13 March 1963, *Singer & Moser [Singer no.] M 3520* (BAFC)

andina Singer, 1978h: 60

HOLOTYPE: Ecuador. Cotopaxi: Páramo de Cotopaxi, 20 May 1973, *Singer B 7085* (F)

flocculosipes Singer, 1969a: 230

HOLOTYPE: Chile. Santiago: Cerro Robles, 19 June 1967, *Singer M 6975* (SGO)

SUILLUS

- brevipes* var. *aestivalis* Singer, 1945b: 267
Type information: USA. Florida: Alachua County, Gainesville.
- chiapasensis* Singer, 1973d: 99
HOLOTYPE: Mexico. Chiapas: 5 km W of San Cristobal de las Casas, 2 August 1969, *Singer M 8908* (F)
- cothurnatus* ssp. *aestivalis* Singer, 1945b: 261
HOLOTYPE: USA. Florida: Highlands County, Highlands Hammock State Park, 2 September 1942, *Singer F 478* (FH)
- cothurnatus* ssp. *hiemalis* Singer, 1945b: 261, 263
HOLOTYPE: USA. Florida: Alachua County, Gainesville, December 1942-January 1943, *Singer F 1666* (FH)
- granulatus* ssp. *snellii* Singer, 1945e: 40
Type information: USA. New Hampshire: Chocorua, *Linder & Singer* (FH)
- hirtellus* ssp. *cheimonophilus* Singer, 1945b: 274
Type information: USA. Florida: Alachua County, 30 January 1943, *Singer F 1772?* (FH)
- hirtellus* ssp. *thermophilus* Singer, 1945b: 275
HOLOTYPE: USA. Florida: Highlands County, Highlands Hammock State Park, August-September 1942, *Singer F 543* (FH)
- lithocarpisequoiae* Singer, 1959n: 589
HOLOTYPE: USA. California: Marin County, Muir Woods, 30 January 1958, *Singer N 1531* (LIL)
- nueschii* var. *caerulescens* Singer, 1961b: 82
HOLOTYPE: USSR. Kurai, 1937, *Singer & Vasilieva s.n.* (LE)
- ruber* Singer & Sipe, 1946g: 103
HOLOTYPE: USA. Oregon: Odell Creek, *Sipe 333* (FH). [Published in 1948].

TECTELLA

- phello dendri* Singer, 1943a: 156
Type information: USSR. Khabarovsk Krai.

THAXTEROGASTER

- Type species: *Thaxterogaster magellanicum* Singer.
- bibulum* Singer, 1969a: 361
HOLOTYPE: Argentina. Río Negro: Laguna Frías and Pas de las Nubes, 3-4 May 1964, *Singer M 3951* (BAFC)
- brevisporus* Singer, 1960d: 386
HOLOTYPE: Argentina. Río Negro: Nahuel Huapí National Park, Los Cántaros, 15 March 1959, *Singer M 1817* (LIL)

- dombeyi* Singer, 1960d: 385
HOLOTYPE: Argentina. Río Negro: Nahuel Huapí National Park, Arroyo Blest, 17 March 1959, *Singer M 1861* (LIL)
- fragile* var. *cortinariopsis* Singer, 1969a: 364
HOLOTYPE: Chile. Llanquihué: Salto de Petrohue, 11 May 1967, *Singer M 6838* (SGO)
- magellanicum* Singer, 1951c: 219
HOLOTYPE: Argentina. Tierra del Fuego: Río Grande, Estancia Nueva Argentina, Lago Fagnano, 10 February 1950, *Singer M 515* (LIL)
- subalbidum* Singer, 1963l: 24
HOLOTYPE: Chile. Magallanes: Punta Arenas, 5 March 1906, *Thaxter, Fungi Hypogaeus 4* (FH)
- tylostomatoides* Singer, 1969a: 365
HOLOTYPE: Argentina. Neuquén: Nahuel Huapí National Park, above Puerto Manzano, 26 April 1964, *Singer M 3576* (BAFC)
- violaceum* Singer, 1951c: 216
HOLOTYPE: Argentina. Tierra del Fuego: Lago Fagnano (Kamel), 19 February 1950, *Singer M 362* (LIL)

TRICHOLOMA

- altaicum* Singer, 1943a: 72
Type information: USSR. Altai Mtns. Central: Alpes Czuicae, August.
- cortinatellum* Singer, 1954b: 107, 108
HOLOTYPE: Argentina. Neuquén: Nahuel Huapí National Park, Quetrihué, 15 May 1952, *Singer M 636* (LIL)
- cortinatum* Singer, 1952c: 192
HOLOTYPE: Argentina. Tierra del Fuego: Río Grande, Estancia Nueva Argentina, 22 February 1950, *Singer M 433* (LIL)
- diemii* Singer, 1954b: 108
HOLOTYPE: Argentina. Neuquén: Nahuel Huapí National Park, Quetrihué, 14 May 1952, *Singer M 600* (LIL)
- elvirae* Singer, 1969a: 38
HOLOTYPE: Chile. Valdivia: Cuesta Santa Elvira, 27 April 1967, *Singer M 6545* (SGO)
- fagnani* Singer, 1952c: 194
HOLOTYPE: Argentina. Tierra del Fuego: Lago Fagnano, 19 February 1950, *Singer M 366* (LIL)
- fusisporum* Singer, 1943a: 71
Type information: USSR. Oirotia: Altai Mtns. Central, July-August.
- glaucoalbum* Singer, 1948c: 28
HOLOTYPE: USA. Virginia: Mountain Lake, *Wilson V-128* (FH)
- moseri* Singer, 1973d: 17
HOLOTYPE: Mexico. Dto. Federal, Paso de Cortés, 23 July 1969, *Singer M 8521* (F). Also published in 1989a: 11.

mostnyae Singer, 1969a: 38

HOLOTYPE: Chile. Valdivia: Cuesta Santa Elvira, 14 May 1967, *Singer M 6883* (SGO)

ochraceorobustum var. *cautinense* Singer, 1969a: 37

HOLOTYPE: Chile. Cautin: Pidenco, 26 April 1967, *Singer M 6540b* (SGO)

patagonicum Singer, 1954b: 109

HOLOTYPE: Argentina. Neuquén: Nahuel Huapi National Park, Quetrihué, 16 May 1952, *Singer M 684* (LIL)

pseudosordidum Singer, 1945d: 434

HOLOTYPE: USA. Florida: Dade County, Miami, 29 September 1942, *Singer F 900* (FH)

TRICHOLOMOPSIS

araucariae Singer, 1953d: 119

HOLOTYPE: Brazil. Pará: 2 November 1951, *Singer B 50* (LIL)

elatipes Singer, 1989a: 10

HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 23 June 1977, *Singer & Araujo [Singer no.] B 10006* (INPA)

elegans var. *minor* Singer, 1973d: 13

HOLOTYPE: Brazil. Pará: near Belém, 5 June 1966, *Singer B 4196* (BAFC)

humboldtii Singer, Ovrebo & Halling, 1990c: 456

HOLOTYPE: Colombia. Antioquia: San José de la Montaña, Along road from San José de la Montaña to Labores, 26 November 1986, *Ovrebo 2554* (HUA). Isotype: CSU and NY.

tricholomatoides Singer, 1989a: 11

HOLOTYPE: Brazil. Amazonas: Ilha Janauari, 18 March 1983, *Singer B 12429* (F)

TUBARIA

agrocyeoides Singer, 1941e: 96

Type information: USSR. Altai Mtns.: near Lake Kurai, 16 August 1937, *Singer* (LE?)

furfuracea var. *novembris* Singer, 1969a: 322

HOLOTYPE: Argentina. Neuquén: Lago Lácar, 5 November 1966, *Singer M 6009* (BAFC)

omphaliopsis Singer in Singer & Digilio, 1951e: 397

HOLOTYPE: Argentina. Tucumán: Ciudad, 7 January 1949, *Singer T 89* (LIL) [Published in 1952]

pentstemonis Singer, 1957a: 368

HOLOTYPE: Mexico. Dto. Federal, Paso de Cortes, 21 July 1957, *Singer M 1560* (MICH)

pseudoripartites Singer in Singer & Digilio, 1951e: 396

HOLOTYPE: Argentina. Salta: Corralitos, 24 March 1951, *Singer T 1419* (LIL) [Published in 1952]

strophosa Singer, 1969a: 319

HOLOTYPE: Argentina. Neuquén: Nahuel Huapi National Park, Arroyo Frutillas, 28 April 1964, *Singer M 3639* (BAFC)

thermophila Singer, 1946g: 145

HOLOTYPE: USA. Florida: Highlands County, Highlands Hammock State Park, 2 August 1942, *Singer F 20, F 20a* (FH). [Published in 1946].

TYLOPILUS

acutesquamosus Singer, 1983f: 117

HOLOTYPE: Brazil. Amazonas: Road Manaus-Caracará, km 45, 12 January 1979, *Singer B 11483* (INPA)

arenarius Singer, 1978a: 432

HOLOTYPE: Brazil. Amazonas: Road Manaus-Caracará, km 45, 3 February 1978, *Singer B 10590* (INPA)

brachypus Singer, Garcia & Gómez, 1991a: 47, 89

HOLOTYPE: Mexico. Durango: between Potrero Mesa Larga and Arroyo Presa Los Altares, in Reserva de la Biosfera de la Michilia, 4 September 1983, *Valenzuela 2470* (F). Isotype in ENCB

cellulosus Singer, 1947a: 105

Type information: Liberia. Nengbe, *Harley 60* (FH)

corneri Singer, 1991a: 50, 89

HOLOTYPE: Costa Rica. San José: 6 km W of Empalme, 2 July 1983, *Gómez & Alfaro 20582* (F)

costaricensis Singer & Gómez, 1991a: 36, 89

HOLOTYPE: Costa Rica. San José: 1.1 km E of "La Perla" restaurant, Empalme, July 1983, *Gómez & Alfaro 20621* (F)

gomezii Singer, 1991a: 30, 89

HOLOTYPE: Costa Rica. Cartago: near San Cristobal, 2 km SE of junction of Highway No. 2 to San Cristobal, November 1983, *Gómez & Alfaro 22018b* (F)

guanacastensis Singer, 1983f: 110

HOLOTYPE: Costa Rica. Guanacaste: Bagaces, 7 km NW of town, October 1982, *Gómez 18724* (F)

hondurensis Singer & Ivory, 1983f: 109

HOLOTYPE: Honduras. Siguatepeque, 12 October 1976, *Ivory S/249* (F)

jalapensis Singer & Garcia, 1991a: 16, 89

HOLOTYPE: Mexico. Jalapa: near border of Veracruz, NE of Lencero, 14-19 July 1985, *Garcia 4767* (F)

lividobrunneus Singer, 1973d: 103

HOLOTYPE: Mexico. Oaxaca: San Agustín, 10 July 1969, *Singer M 8393* (F)

minor Singer, 1945i: 799
 Type information: USA. Florida: Alachua County, Gainesville.

mitissimus Singer & Gómez, 1991a: 17, 89
 HOLOTYPE: Costa Rica. San José: La Chonta, 7 June 1983, *Singer & Gómez [Singer no.] B 14090* (F)

montanus Singer, 1989a: 125
 HOLOTYPE: Costa Rica. San José: La Chonta, 11 July 1982, *Gómez 19199* (F)

montoyae Singer & Garcia, 1991a: 19, 89
 HOLOTYPE: Mexico. Veracruz: Road San Andres-Tlalnehuayocan, Plan de Sedeno, 28 June 1986, *Montoya-Bello 699* (F)

nicaraguensis Singer & Ivory, 1983f: 107
 HOLOTYPE: Nicaragua. Slilma Sia, May 1976, *Ivory S/20* (F)

peralbidus var. *rhodoconius* Singer, 1945i: 799
 Type information: USA. Florida: Alachua County, Gainesville.

potamogeton Singer, 1978a: 433
 HOLOTYPE: Brazil. Amazonas: Ponta Negra, 18 December 1977, *Singer & Prance [Singer no.] B 10351* (INPA)

potamogeton var. *aquarius* Singer, 1983f: 122
 HOLOTYPE: Brazil. Amazonas: Igarapé do Tarumãzinho, 14 December 1978, *Singer B 11433* (INPA)

potamogeton var. *mitis* Singer, 1989a: 125
 HOLOTYPE: Brazil. Amazonas: Igarapé do Tarumãzinho, 13 March 1983, *Singer B 12425* (INPA)

sanctaerosae Singer, 1983f: 112
 HOLOTYPE: Costa Rica. Guanacaste: Parque Nacional Santa Rosa, 25 July 1981, *Gómez & Singer [Singer no.] B 12436* (F)

subcellulosus Singer & Garcia, 1991a: 32, 90
 HOLOTYPE: Mexico. Tamaulipas: Rancho El Cielo, 9 July 1984, *Garcia 3781* (F)

subniger Singer, Garcia & Gómez, 1991a: 38, 90
 HOLOTYPE: Costa Rica. San José: Jardin de Dota, 6 km W of Empalme, 8 June 1984, *Singer B 14555a* (F)

tabacinus var. *amarus* Singer, 1945i: 799
 Type information: USA. Florida: Alachua County, Gainesville.

tabacinus var. *dubius* Singer, 1945i: 799
 Type information: USA. Florida: Alachua County, Gainesville.

venezuelae Singer & Digilio, 1960i: 163
 HOLOTYPE: Venezuela. Miranda: Los Guayabitos, 8 June 1958, *Dennis 1001* (K, LIL)

vinaceogriseus Singer, Garcia & Gómez, 1991a: 40, 90
 HOLOTYPE: Costa Rica. San José: La Chonta, 17 June 1983, *Singer B 14360* (F)

williamsii Singer & Garcia, 1991a: 33
 HOLOTYPE: Mexico. Veracruz: 5 km NE of Lencero, road Jalapa-Veracruz, 14 July 1985, *Garcia 4759* (F)

VELOPORPHYRELLUS Gómez & Singer, 1984f: 293

Type species: *Veloporphyrellus pantoleucus* Gómez & Singer

pantoleucus Gómez & Singer, 1984f: 293
 HOLOTYPE: Costa Rica. Cartago: near San Cristobal, 1.5 km SE of junction of dirt road to San Cristobal and Rt. 2, November 1983, *Gómez 22007* (F)

VOLVARIELLA

lepiotospora Singer, 1955a: 774
 HOLOTYPE: USA. Florida: Dade County, Matheson Hammock, 20 October 1942, *Singer F 1143* (F)

macrospora Singer, 1989a: 92
 HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 11 May 1977, *Singer B 9863* (F)

psammophila Singer, 1989a: 92
 HOLOTYPE: Argentina. Buenos Aires: Parque Ezeiza, 1966, *Havrizco [Singer no.] 703* (BAFC)

rondoniensis Singer, 1989a: 93
 HOLOTYPE: Brazil. Rondônia: Ouro Preto, 17 April 1978, *Singer B 10969* (INPA)

subxerophytica Singer, 1989a: 93
 HOLOTYPE: Argentina. Tucumán: Pié del Periquillo, 30 December 1951, *Singer T 1687* (LIL). Deposited as “*Volvariella taylora*”

VOLVOLEPIOTA

albida Singer, 1959i: 12
 HOLOTYPE: Argentina. Tucumán: Sierra de San Javier, 9 January 1959, *Singer, Lowy & Guerrero [Singer no.] T 3202* (LIL)

WERAROA Singer, 1958b: 46

Type species: *Secotium novaezelandiae* Cunningham

patagonica Singer & Wright, 1959d: 607
 HOLOTYPE: Argentina. Neuquén: Nahuel Huapi National Park, Lago Traful, no date, *Andreis & Wright BAFC 20.080* (BAFC)

spadicea Singer, 1960d: 389
 HOLOTYPE: Argentina. Neuquén: Nahuel Huapi National Park, Quetrihué, 3 May 1959, *Diem 2875* (LIL)

XANTHOCHROUS

- cuticularis* f. *platani* Singer, 1936i: 423
No type information. No Latin diagnosis.

XANTHOCONIUM Singer, 1944a: 361

- Type species: *Gyroporus stramineus* Murr.

XEROCOMUS

- amazonicus* Singer, 1978a: 429
HOLOTYPE: Brazil. Amazonas: 60 km N of Manaus, 20 December 1977, *Singer & Araujo* [*Singer no.*] B 10360 (INPA)
- amazonicus* var. *obscuratus* Singer & Araujo, 1983f: 78
HOLOTYPE: Brazil. Amazonas: Ponta Negra, 30 December 1978, *Singer B 11451* (INPA)
- bakshii* Singer & Singh, 1971a: 31
HOLOTYPE: India. Uttar Pradesh: Dehra Dun, July 1968, *Bakshi 9021* (FRI, F). (FRI = Forest Research Institute, India)
- campinaranae* Singer, 1983f: 66
HOLOTYPE: Brazil. Amazonas: Road Manaus-Caracará, km 125, 4 April 1978, *Singer B 10917* (INPA)
- chapinii* Singer, 1983f: 74
HOLOTYPE: Brazil. Amazonas: Igarapé do Tarumãzinho, 12 March 1980, *Chapin, Araujo & Singer* [*Singer no.*] B 12027 (INPA)
- flavus* Singer & Kuthan, 1976h: 153
HOLOTYPE: Czechoslovakia. Southern Moravia: Zdravá Voda, žadánický, 4 August 1974, *Kříž & Singer* [*Singer no.*] C 5759 (F)
- globuliger* Singer, 1983f: 68
HOLOTYPE: Brazil. Amazonas: Road Manaus-Caracará, km 125, 22 May 1978, *Singer B 11015* (INPA)
- hemixanthus* Singer, 1945b: 292
HOLOTYPE: USA. Florida: Alachua County, 1 July 1943, *Singer F 2473?* (FH)
- hypoxanthus* Singer, 1945b: 289
HOLOTYPE: USA. Florida: Highlands County, Highlands Hammock State Park, 2 September 1942, *Singer F 626* (FH)
- illudens* ssp. *xanthomycelinus* Singer, 1945b: 294
HOLOTYPE: USA. Florida: Alachua County, Gainesville, May 1943, *Singer F 2167* (FH)
- indicus* Singer, 1946g: 104
Type information: USA. Roxb Ladhar St., *Sultan Ahmed 44* (FH). [Published in 1948].
- inundabilis* Singer, 1983f: 70
HOLOTYPE: Brazil. Amazonas: Igarapé do Tarumãzinho, 14 December 1978, *Singer B 11432* (INPA)

- linderi* Singer, 1945b: 296

Type information: Liberia. near Banga, October, *Linder 1211* (FH)

- microsporus* Singer & Grinling, 1967c: 372
HOLOTYPE: Zaire. Brazzaville: near Djoué river, December 1965, *Grinling 51,204* (BAFC)
- radicicola* Singer, 1978a: 430
HOLOTYPE: Brazil. Amazonas: Along Río Negro, 17 January 1978, *Araujo 916* (INPA)
- scrobiculatus* Singer, 1983f: 81
HOLOTYPE: Brazil. Amazonas: Road Manaus-Caracará, km 45, 24 March 1978, *St. John & Singer* [*Singer no.*] B 10856 (INPA)
- truncatus* Singer, Snell & Dick, 1959m: 573
HOLOTYPE: USA. North Carolina: Highlands, 26 July 1941, *Coker 12426* (UNC, FH)

XEROMPHALINA

- austroandina* Singer, 1965d: 303, 309
HOLOTYPE: Argentina. Río Negro: Laguna Frías, 21 March 1963, *Singer M 3120* (BAFC)
- helbergeri* Singer in Singer & Digilio, 1951e: 240
HOLOTYPE: Argentina. Tucumán: Cerro Alto del Taficillo, 29 July 1951, *Helberger* [*Singer no.*] T 1587 (LIL) [Published in 1952]
- mesopora* Singer, 1938a: 196
Type information: USSR. Kazakhstan: Aktura, Czuiskie Alpy, 2 August 1937, *Vasilieva* (LE?)
- tropicalis* Singer, 1989a: 89
HOLOTYPE: Brazil. Amazonas: Road Manaus-Itacoatiara, km 21, 18 November 1978, *Aguiar & Souza* [*Singer no.*] B 11427 (INPA)
- yungensis* Singer, 1989a: 89
HOLOTYPE: Bolivia. La Paz: Nor-Yungas, 1 February 1956, *Singer B 795* (F)

XERULA

- verruculosa* Singer, 1953b: 6
HOLOTYPE: Argentina. Catamarca: Río Chacaras, 10 February 1952, *Singer T 1845* (LIL)

XERULINA Singer, 1961b: 59

- Type species: *Lentinus chrysopleplus* Berk. & Curt.

ZELLEROMYCES Singer & Smith, 1960h: 18

- Type species: *Zelleromyces cinnabarinus* Singer & Smith

cinnabarinus Singer & Smith, 1960h: 19
HOLOTYPE: USA. Louisiana: Jackson County,
26 December 1931, *Smith & Brown s.n.*
(MICH)
gilkeyae Singer & Smith, 1960h: 21
HOLOTYPE: USA. Oregon: near Reedsport, 22
October 1938, *Gilkey [Zeller no.] 8498* (NY)

oregonensis Singer & Smith, 1960h: 19
HOLOTYPE: USA. Oregon: Comstock, 23 Oc-
tober 1937, *Zeller 8333* (NY)

The Publications of Rolf Singer

Gregory M. Mueller

Qiuxin Wu

James H. Ginns

Scott A. Redhead

This is intended to be a complete list of the publications of Rolf Singer, not only those describing new taxa. Publications are listed by the year stated on the publication, and a suffix (a, b, c, etc.) designates multiple publications within a year. When the year stated on the publication is different from the year of actual publication (e.g., 1950j), the actual date of publication is noted in [] at the end of the citation. Titles of papers are primarily given in their original languages. Only a few papers in Russian are translated into English, and these are presented in []. Coauthorships are noted at the end of the citation, and names of the coauthors that appeared in front of Singer's name on the publication are underlined.

Two aspects of the format used in the following publication list need explanation. First, although the papers are presented in chronological order to year, within a year they are not necessarily listed chronologically. Publications are listed in the order that they appear in Dr. Singer's bound reprints since dates (year plus letter) were assigned as data were added to the database of new taxa presented in the preceding chapter. Second, we cite publications as they appear on the actual article, so some titles do not conform to current, standard journal citations such as given in the *Botanico-Periodicum-Huntianum* (B-P-H).

1922a *Collybia velutipes* (Curt.) n.f. *aestivalis* und das periodische Pilzwachstum in den vier Jahreszeiten. *Zeitschrift für Pilzkunde* 1: 40–41.

1922b Pflanzengeographische Beobachtungen an oberbayerischen und oberpfälzischen Hymenomyceten. *Zeitschrift für Pilzkunde* 1: 63–66.

1922c Über die Gattung *Psalliotia*. *Zeitschrift für Pilzkunde* 1: 21–24.

1922d Über den Wert der Gattung *Rozites* (Karsten). *Annales Mycologici* 20: 296–299.

1922e Zur Pilzflora der Oberpfalz. *Zeitschrift für Pilzkunde* 1: 48.

1923a Die Täublinge Mitteleuropas. Ein monographischer Beitrag zur Pilzflora Deutschlands und der angrenzenden Länder. *Zeitschrift für Pilzkunde* 2: 1–20.

1923b Eine fragliche *Psilocybe*. *Zeitschrift für Pilzkunde* 2: 39–40.

1923c *Russula xerampelina* (Schff.) Fr. *Zeitschrift für Pilzkunde* 2: 172–174.

1923d Interessantes über Winterpilze. *Zeitschrift für Pilzkunde* 2: 47.

1923e Über deutsche Namen für die Pilze. *Zeitschrift für Pilzkunde* 2: 47.

1923f Berichtigungen zu "Die Täublinge Mitteleuropas." *Zeitschrift für Pilzkunde* 2: 113.

1923g Pflanzengeographische Beobachtungen an oberbayerischen und oberpfälzischen Hymenomyceten. 2. Reihe. *Zeitschrift für Pilzkunde* 2: 115.

1924a Kritische Formenkreise aus der Gattung *Russula*. I. *Zeitschrift für Pilzkunde* 3: 73–78.

1924b Kritische Formenkreise aus der Gattung *Russula*. II. *Zeitschrift für Pilzkunde* 3: 107–112.

1924c Berichtigung. *Zeitschrift für Pilzkunde* 3: 119.

1925a Zur *Russula*-Forschung. *Zeitschrift für Pilzkunde* 5: 73–80.

1925b Pflanzengeographische Beobachtungen an oberbayerischen und oberpfälzischen Hymenomyceten. 3. Reihe. *Zeitschrift für Pilzkunde* 4: 37–44.

1925c Kritische Formenkreise aus der Gattung *Russula*. III. *Zeitschrift für Pilzkunde* 5: 13–18.

- 1926 Monographie der Gattung *Russula*. 1re édition. Hedwigia **66**: 163–260.
- 1927a Die häufigeren Basidiomyceten der Umgebung von Ötz (Tirol). Zeitschrift für Pilzkunde **6**: 145–147.
- 1927b Wie bestimmt man frische Täublinge? Zeitschrift für Pilzkunde **6**: 169–176.
- 1927c *Russula vesca* und *Russula constans*. Zeitschrift für Pilzkunde **6**: 122–123.
- 1928a Drei seltene, ausserhalb Deutschlands heimische Russulae. Zeitschrift für Pilzkunde **7**: 42–44.
- 1928b Die Täublinge der öztaler Alpen. Zeitschrift für Pilzkunde **7**: 75–77.
- 1928c Ziele der systematischen Hymenomycetenforschung. Zeitschrift für Pilzkunde **7**: 161–167.
- 1928d Die Täublingsexkursion am 6 September 1927–anlässlich des Münchner Kongresses. Zeitschrift für Pilzkunde **7**: 114–115.
- 1928e Neue Mitteilungen über die Gattung *Russula*. I. *R. sardonia* Fr. oder der Formenkreis *R. queletii* Fr. und II. Die gelben hellsporigen Piperatae. Hedwigia **48**: 191–202.
- 1928f Besprechung einiger Arbeiten aus dem Bulletin trimestriel de la Société Mycologique de France. Tome XLII, 1926. Zeitschrift für Pilzkunde **7**: 14–15.
- 1928g Berichtigung. Zeitschrift für Pilzkunde **7**: 30.
- 1928h Verschiedene Beiträge zur Geniessbarkeit des netzstieligen Hexen-Röhrlings. Ein gefährlicher Giftpilz? Zeitschrift für Pilzkunde **7**: 85–87.
- 1929a Beitrag zur systematischen Stellung des *Pleurotus nidulans*. Archiv für Protistenkunde **65**(3): 314–320.
- 1929b Pilze aus dem Kaukasus. I. Ein Beitrag zur Flora des südwestlichen Zentralkaukasus. Beihefte zum Botanischen Centralblatt **46**(2): 71–113.
- 1929c Sitzung der mathematisch-naturwissenschaftlichen Klasse vom 10 Jänner 1929. Akademie der Wissenschaften in Wien. No. **1**: 1–4.
- 1929d Sitzung der mathematisch-naturwissenschaftlichen Klasse vom 24 Oktober 1929. Akademie der Wissenschaften in Wien. No. **20**: 1–2.
- 1929e *R. coerulea*, *R. amoenata* a *R. amara* Kuč. (ne Mre). časopis československých houbařů **9**: 77–79 (with J. Zvára).
- 1929f Eine neue *Russula*-Art: *Russula mairei* nov. spec. Archiv für Protistenkunde **65**(3): 306–314.
- 1929g Neue Mitteilungen über die Gattung *Russula*. III–IV. Hedwigia **67**: 253–261.
- 1929h *Russula mairei* Singer. Bulletin de la Société Mycologique de France **45**: 103–105.
- 1930 Contributions à l'étude des Russules. Note sur deux variétés nouvelles. Bulletin de la Société Mycologique de France **46**: 209–212.
- 1931 Pilze aus dem Kaukasus. II. Ein Beitrag zur Flora Swanetiens und einiger angrenzender Täler. Beihefte zum Botanischen Centralblatt **48**: 513–542.
- 1932 Monographie der Gattung *Russula*. Beihefte zum Botanischen Centralblatt **49**: 205–380.
- 1933 Mykologische Studien im Hochgebirge des Kaukasus. Schweizerische Zeitschrift für Pilzkunde **11**: 157–160.
- 1934a Vorarbeiten zur Russulaflores österreicher. Annales Mycologici **32**: 448–463 (with Th. Cernohorsky).
- 1934b *Russula variata* Bann. und *Russula lactea* Fr. Feddes Repertorium **33**: 350–352.
- 1935a Etude systématique sur les *Melanoleuca* d'Europe et clé des espèces observées en Catalogne. Cavanillesia **7**: 122–132.
- 1935b Supplemente zu meiner Monographie der Gattung *Russula*. Annales Mycologici **33**: 297–352.
- 1935c Sur quelques Russules exotiques. Annales de Cryptogamie exotique **8**: 88–93.
- 1935d Sur la classification des Russules. Bulletin de la Société Mycologique de France **51**: 281–304.
- 1935e *Russula schiffneri* Sing. Bulletin de la Société Mycologique de France **51**: 102–103.
- 1936a *Melanoleuca kavinae* (Pil. et Ves.) Sing. nov. comb., de la série des Alboflavidae Sing. Revue de Mycologie **1**: 38–39.
- 1936b Contribution à l'étude des Russules. II. Observations floristiques. Bulletin de la Société Mycologique de France **52**: 111–114.
- 1936c Les Russules de l'herbier de Boudier. Revue de Mycologie **1**: 19–24.
- 1936d Notes sur quelques Basidiomycètes. I. Revue de Mycologie **1**: 75–84.
- 1936e Notes sur quelques Basidiomycètes. II. Revue de Mycologie **1**: 279–293.
- 1936f Studien zur Systematik der Basidiomyceten. I. Beihefte zum Botanischen Centralblatt **56**: 137–156.
- 1936g Studien zur Systematik der Basidiomyceten. II. Beihefte zum Botanischen Centralblatt **56**: 157–174.
- 1936h Das System der Agaricales. I. Annales Mycologici **34**: 286–378.
- 1936i Bemerkungen über einige Basidiomyceten. Annales Mycologici **34**: 423–434.
- 1936j Sur quelques Clavaires collectionnés dans les orangeries de l'Institut Botanique de l'Académie des Sciences de l'URSS à Leningrad. Journal Botanique de l'URSS **21**: 723–725 (with A. S. Bondartsev).
- 1937 Notes sur quelques Basidiomycètes. III. Revue de Mycologie **2**: 226–242.
- 1938a Notes sur quelques Basidiomycètes. IV. Revue de Mycologie **3**: 187–199.
- 1938b Contribution à l'étude des Russules. III. Quelques Russules américaines et asiatiques. Bulletin de la Société Mycologique de France **54**: 132–177.
- 1938c Sur les genres *Ixocomus*, *Boletinus*, *Phylloporus*, *Gyrodon* et *Gomphidius*. Revue de Mycologie **3**: 35–53.
- 1938d Sur les genres *Ixocomus*, *Boletinus*, *Phylloporus*, *Gyrodon* et *Gomphidius*. 2. Les *Boletinus*. Revue de Mycologie **3**: 157–177.
- 1938e De nonnullis Basidiomycetibus. I. Botaničeskíe materialy Otdela sporovyh rastenij Botaničeskogo instituta imeni V. L. Komarova Akademii Nauk SSSR **10–12**: 4–18.
- 1938f Les Russules de Catalunya i clau per a llur determinació. Cavanillesia Rerum Botanicarum Acta (Barcinone) **8**: 144–159.

- 1938g Über Lärchen, Zirben-und Birkenröhrlinge. Schweizerische Zeitschrift für Pilzkunde **16**: 123–126, 134–137, 148–150.
- 1938h [The production of ink from the spores of fungi]. Priroda **1**: 121–123.
- 1938i Review of: [Mushrooms, procurement and processing], by Prof. L. A. Lebedeva. Priroda **7–8**: 210–212 (with V. Transchel, A. S. Bondartsev, and L. Vasiliyeva).
- 1939a Notes sur quelques Basidiomycètes. V. Revue de Mycologie **4**: 64–72.
- 1939b O novykh dannykh dlia sistematiiki i filogenii Agaricales kak potomkov Gasteromycetes [On new data for the taxonomy and phylogeny of the Agaricales as descendants of the Gasteromycetes]. Sovetskaya Botanika **1939**(1): 95–98.
- 1939c Phylogenie und Taxonomie der Agaricales. Schweizerische Zeitschrift für Pilzkunde **17**: 23–28, 35–39, 52–57, 71–73, 84–87, 97–101.
- 1939d [On anti-Darwinistic tendencies in contemporary taxonomics of higher basidiomycetous fungi]. Sovetskaya Botanika **1939**(6–7): 139–144.
- 1939e Contribution à l'étude des Russules. IV: Quelques Russules américaines et asiatiques (suite). Bulletin de la Société Mycologique de France **55**: 226–283.
- 1939f Review of: Les Lactario-Russules du Domaine Oriental de Madagascar, by R. Heim. 196 pp. Paris. Sovetskaya Botanika **1939**(1): 128.
- 1940 Notes sur quelques Basidiomycètes. VI. Revue de Mycologie **5**: 3–13.
- 1941a Zur Systematik der Polyporaceen. Annales Mycologici **39**: 43–65 (with A. S. Bondartsev).
- 1941b De nonnullis Basidiomycetibus. II. Botaničeskije materialy Otdela sporovykh rastenij Botaničeskogo instituta imeni V. L. Komarova Akademii Nauk SSSR **5**(4–6): 84–86.
- 1941c Is shiitake a *Cortinellus*? Mycologia **33**: 449–451.
- 1941d O ponyatii vida u vysshich basidialnykh grivov [On the concept of species in higher Basidiomycetes]. Sovetskaya Botanika **1940**(5–6): 262–269.
- 1941e Cortinariaceae novae et minus cognitae. Botaničeskije materialy Otdela sporovykh rastenij Botaničeskogo instituta imeni V. L. Komarova Akademii Nauk SSSR **5**(7–9): 92–100.
- 1942a A monographic study of the genera *Crinipellis* and *Chaetocalathus*. Lilloa **8**: 441–534 [published in 1943]
- 1942b Das System der Agaricales. II. Annales Mycologici **40**: 1–132.
- 1942c Type studies on agarics. Lloydia **5**: 97–135.
- 1942d Type studies on Basidiomycetes. I. Mycologia **34**: 64–93.
- 1942e Roaming Russia's Caucasus. National Geographic **82**: 91–121.
- 1942f The Caucasus: Soviet training ground for mountaineers. Appalachia **94**: 149–154.
- 1943a Das System der Agaricales. III. Annales Mycologici **41**: 1–189.
- 1943b A monograph on the genus *Leucopaxillus* Bourcier. Papers of the Michigan Academy of Science, Arts & Letters **28**: 85–132, 8 plates (with A. H. Smith).
- 1943c Type studies on Basidiomycetes. II. Mycologia **35**: 142–163.
- 1943d K yestestvennoy sisteme trutovykh grivov [On the natural system of Polyporaceous fungi]. Sovetskaya Botanika **1943**(1): 29–43 (with A. S. Bondartsev).
- 1944a New genera of fungi. Mycologia **36**: 358–368.
- 1944b Notes on taxonomy and nomenclature of the polypores. Mycologia **36**: 65–69.
- 1944c On some Basidiomycetes new for the United States. Mycologia **36**: 552–554.
- 1945a The Boletineae of Florida with notes on extralimital species. I. The Strobilomycetaceae. Farlowia **2**: 97–141.
- 1945b The Boletineae of Florida with notes on extralimital species. II. The Boletaceae (Gyroporoideae). Farlowia **2**: 223–303.
- 1945c New genera of fungi. II. Lloydia **8**: 139–144.
- 1945d New and interesting species of Basidiomycetes. I. Mycologia **37**: 425–439.
- 1945e Notes on Farlow's Agaricales from Chocorua. Farlowia **2**: 39–51.
- 1945f A monograph of the genus *Cystoderma*. Papers of the Michigan Academy of Science, Arts & Letters **30**: 71–124 (with A. H. Smith).
- 1945g The *Laschia*-complex (Basidiomycetes). Lloydia **8**: 170–230.
- 1945h The taxonomic position of *Polyporoletus sublividus*. Mycologia **37**: 124–128 (with W. H. Snell and W. L. White).
- 1945i New Boletaceae from Florida. Mycologia **37**: 797–799.
- 1946a The Boletineae of Florida with notes on extralimital species. IV. The lamellate families (Gomphidiaceae, Paxillaceae and Jugasporaceae). Farlowia **2**: 527–567.
- 1946b Proposals concerning the nomenclature of the gill fungi including a list of proposed lectotypes and genera conservanda. Mycologia **38**: 240–299 (with A. H. Smith).
- 1946c Type studies on agarics. II. Lloydia **9**: 114–131.
- 1946d The taxonomic position of *Pholiota mutabilis* and related species. Mycologia **38**: 500–523 (with A. H. Smith).
- 1946e Two new species in the Agaricales. Mycologia **38**: 687–690.
- 1946f A new species of *Hydropus* (Kühn.) Sing. (Agaricales). Mycologia **38**: 227–228.
- 1946g New and interesting species of Basidiomycetes. II. Papers of the Michigan Academy of Science, Arts & Letters **32**: 103–150. [published in 1948]
- 1947a The Boletoidae of Florida. The Boletineae of Florida with notes on extralimital species. III. The American Midland Naturalist **37**: 1–135.
- 1947b New genera of fungi. III. Mycologia **39**: 77–89.
- 1947c Champignons de la Catalogne. Espèces observées en 1934. Collectanea Botanica (Barcelona) **1**: 199–246.

- 1947d Coscinoids and coscinocystidia in *Linderomyces lateritius*. *Farlowia* **3**: 155–157.
- 1947e Type studies on Basidiomycetes. III. *Mycologia* **39**: 171–189.
- 1947f Additional notes on the genus *Leucopaxillus*. *Mycologia* **39**: 725–736 (with A. H. Smith). [published in 1948]
- 1947g Contributions towards a monograph of the genus *Crepidotus*. *Lilloa* **13**: 59–95. [published in 1948]
- 1948a New genera of fungi. IV. *Mycologia* **40**: 262–264.
- 1948b Review of: North American Species of *Mycena*, by A. H. Smith. *Bulletin of the Torrey Botanical Club* **75**: 117–119.
- 1948c Diagnoses fungorum novorum Agaricalium. *Sydowia* **2**: 26–42.
- 1948d Notes on the genus *Cystoderma*. *Mycologia* **40**: 454–460 (with A. H. Smith).
- 1948e Emendations to our proposals concerning the nomenclature of the gill fungi. *Mycologia* **48**: 627–629 (with A. H. Smith).
- 1949a The genus *Gomphidius* Fries in North America. *Mycologia* **41**: 462–489.
- 1949b [Materials for the flora of pileate fungi of the “Kivach” Game Preserve of the Karelo-Finnish SSR]. In: M. V. Freundling. *Izv. Karelo-Finsk. fil. AN SSSR* **4**: 84–97.
- 1949c The Agaricales in modern taxonomy. *Lilloa* **22**: 1–832. [published in 1951]
- 1950a New and interesting species of Basidiomycetes. III. *Sydowia* **4**: 130–157.
- 1950b Les Russules de l'Argentine. *Revue de Mycologie* **15**: 125–137.
- 1950c Die Höheren Pilze Argentinien. *Schweizerische Zeitschrift für Pilzkunde* **28**: 181–196.
- 1950d Zwei neue Pilzarten in den Alpen. *Schweizerische Zeitschrift für Pilzkunde* **28**: 196–200.
- 1950e Supplementary notes on the genera *Campanella* and *Favolaschia*. *Lloydia* **13**: 249–258.
- 1950f Novye osnovy dlya classification *Panus* y rodstvennykh rodov [New bases for the classification of *Panus* and related genera]. *Trudy Botaničeskogo Instituta imeni V. L. Komarova Akademii Nauk SSSR*, ser. II, **6**: 375–387.
- 1950g K izučeniyu roda *Amanita* v SSSR [*Amanita* in the USSR]. *Trudy Botaničeskogo Instituta imeni V. L. Komarova Akademii Nauk SSSR*, ser. II, **6**: 388–401.
- 1950h *Naucoria* Fries y blizkiye rody v SSSR [*Naucoria* Fries and related genera in the USSR]. *Trudy Botaničeskogo Instituta imeni V. L. Komarova Akademii Nauk SSSR*, ser. II, **6**: 402–498.
- 1950i New genera of fungi. VI. *Descolea antarctica*, genero y especie nuevos de Tierra del Fuego. *Lilloa* **23**: 255–258.
- 1950j Type studies on Basidiomycetes. IV. *Lilloa* **23**: 147–246. [published in 1952]
- 1950k [A manual of the collection of basidiomycetous fungi for their scientific study.] *Trudy Botaničeskogo Instituta imeni V. L. Komarova Akademii Nauk SSSR*, ser. II, **6**: 499–543 (with A. S. Bondartsev).
- 1950l Should Dr. D. P. Rogers' proposals for the regulation for fixing generic types be accepted as published in *Mycologia* **41**: 219, 1949? *Mycologia* **42**: 195–197.
- 1951a Antibiotic activity and formation of ectotrophic mycorrhiza in relation to natural affinity in the classification of the Basidiomycetes. Seventh International Botanical Congress Proceedings. 401–402.
- 1951b New genera of fungi. V. *Mycologia* **43**: 598–604.
- 1951c *Thaxterogaster*—a new link between Gasteromycetes and Agaricales. *Mycologia* **43**: 215–228.
- 1951d Type studies on Basidiomycetes. V. *Sydowia* **5**: 445–475.
- 1951e Pródromo de la Flora Agaricina Argentina. *Lilloa* **25**: 5–461 (with A. P. Digilio). [published in 1952]
- 1951f Die Nomenklatur der höheren Pilze. *Schweizerische Zeitschrift für Pilzkunde* **29**: 204–228.
- 1952a Type studies on Basidiomycetes. VII. *Sydowia* **6**: 344–351.
- 1952b Russulaceae of Trinidad and Venezuela. *Kew Bulletin* 1952: 295–301.
- 1952c The agarics of the Argentine sector of Tierra del Fuego and limitrophous regions of the Magallanes area. I. White and pink spored groups. *Sydowia* **6**: 165–226.
- 1952d Le genre *Gloioccephala* Massee. *Revue de Mycologie* **17**: 161–164.
- 1952e Type studies on agarics. III. *Lilloa* **25**: 463–514.
- 1952f Review of: A dictionary of color. 2nd ed. *Mycologia* **44**: 267–269 (with A. P. Digilio).
- 1953a The agarics of the Argentine sector of Tierra del Fuego and limitrophous regions of the Magallanes area. II. The brown-spored genera (except *Cortinarius*). *Sydowia* **7**: 206–265.
- 1953b Quelques Agarics nouveaux de l'Argentine. *Revue de Mycologie* **18**: 3–23.
- 1953c Four years of mycological work in southern South America. *Mycologia* **45**: 865–891.
- 1953d Type studies on Basidiomycetes. VI. *Lilloa* **26**: 57–159.
- 1953e Review of: Les Agaricales. II. Russulacées, Hygrophoracées, Gomphidiacées, Paxillacées, Boletacées, by P. Konrad and A. Maublanc. *Mycologia* **45**: 477–478.
- 1953f Review of: *Russula*-Monographie (Die Pilze Mitteleuropas, Band III), by J. Schäffer. *Mycologia* **45**: 478–480.
- 1954a Part VI. Fungi, pp. 451–462. In: Polunin, N., ed., *The Cryptogamic Flora of the Arctic*. *Botanical Review* **20**: 361–476.
- 1954b Agaricales von Nahuel Huapi. *Sydowia* **8**: 100–157.
- 1954c Über Pilzbestimmung. *Schweizerische Zeitschrift für Pilzkunde* **32**: 101–108.
- 1954d Review of: Flore analytique des Champignons Supérieurs (Agarics, Bolets, Chanterelles) comprenant les espèces de l'Europe occidentale et centrale ainsi la plupart de celles de l'Algérie et du Maroc, by R. Kühner and H. Romagnesi. *Mycologia* **46**: 129–132.

- 1954e New data of affinities of certain Agaricales and certain Gasteromycetes of South America. Eighth International Botanical Congress Proceeding. 29–30.
- 1954f Pages 554–555, 565–566, 571. In: Hueck K. Der Anden-Erlenwald (die *Alnus jorullensis*-Assoziation) in der Provinz Tucumán (Argentinien). Festschrift für Erwin Aichinger zum 60. Geburtstag. Sonderfolge der Schriftenreihe Angewandte Pflanzensoziologie **1**: 512–572.
- 1955a New and interesting species of Basidiomycetes. IV. Mycologia **47**: 763–777.
- 1955b Agaricales from Tristan da Cunha. Results of the Norwegian Scientific Expedition to Tristan da Cunha 1937–1938. **38**: 15–18.
- 1955c Un *Clitocybe cortiqué* et un *Clitocybe faux*. Bulletin de la Société Mycologique de France **71**: 147–152.
- 1955d New species of Agaricales from Pernambuco. Anais da Sociedade de Biologia de Pernambuco **13**: 225–229.
- 1955e New species of *Galerina*. Mycologia **47**: 557–596 (with A. H. Smith).
- 1955f Type studies on Basidiomycetes. VIII. Sydowia **9**: 367–431.
- 1955g Basidioneuromycosis on man. Anais da Sociedade de Biologia de Pernambuco **13**: 52–60 (with A. C. Batista and J. A. Maia).
- 1955h “Asiatische” und “Amerikanische” Pilze in Europa. Zeitschrift für Pilzkunde **21**: 1–4.
- 1955i The nomenclature of *Armillaria*, *Hypholoma* and *Entoloma*. Mycologia **47**: 147–149.
- 1955j *Staude redivivus*. Mycologia **47**: 270–272.
- 1955k “Basidiomycetes of South America”—Report of committee on research. Yearbook of the American Philosophical Society for 1954, Geological & Biological Sciences. 166–168.
- 1955l Die Pilznomenklatur seit 1954. Schweizerische Zeitschrift für Pilzkunde **33**: 137–143.
- 1955m Die Pilznomenklatur seit 1954. Schweizerische Zeitschrift für Pilzkunde **33**: 165–170.
- 1955n Le genre *Melanomphalia* Christiansen. Revue de Mycologie **20**: 12–17.
- 1956a New genera of fungi. VII. Mycologia **48**: 719–727.
- 1956b A fungus collected in the Antarctic. Sydowia Beihefte **1**: 16–23.
- 1956c Contributions towards a monograph of the genus *Pluteus*. Transactions of the British Mycological Society **39**: 145–232.
- 1956d Versuch einer Zusammenstellung der Arten der Gattung *Phaeonarasmius*. Schweizerische Zeitschrift für Pilzkunde **34**: 44–47, 53–65.
- 1956e *Boletus luridus* in North America. Mycologia **48**: 768–769.
- 1956f The *Armillariella mellea* group. Lloydia **19**: 176–187.
- 1956g The *Pleurotus-hirtus*-complex. Mycologia **48**: 852–859.
- 1956h *Campbellia africana* and *Versipellis variegata*. Taxon **5**: 30–33.
- 1956i Die Pilznomenklatur seit 1954. Schweizerische Zeitschrift für Pilzkunde **34**: 33–43.
- 1957a Fungi Mexicani, series prima—Agaricales. Sydowia **11**: 354–374.
- 1957b New and interesting species of Basidiomycetes. V. Sydowia **11**: 141–272.
- 1957c Las Boletaceas Austrosudamericanas. Lilloa **28**: 247–268 (with A. P. Digilio).
- 1957d The genus *Galerina*: An outline of its classification. Sydowia **11**: 446–453 (with A. H. Smith).
- 1957e Un nuevo hongo fósil de los bosques petrificados de Santa Cruz, Prov. Patagonia. Armeñiniana (Buenos Aires) **1**: 40–41 (with S. Archangelsky).
- 1957f Sacred mushrooms inspire medical research. Chicago Natural History Museum Bulletin **28**(12): 7.
- 1957g Neue Literatur: The Russulas, by W. R. Arde. Sydowia **11**: 473–474.
- 1957h New genera of fungi X—*Pachylepyrium*. Sydowia **11**: 320–322. [published in 1958]
- 1957i Neuere Tendenzen in der Systematik und Klassifikation der Basidiomyceten. Schweizerischen Zeitschrift für Pilzkunde **35**: 33–43.
- 1958a New genera of fungi. VIII. Notes concerning the sections of the genus *Marasmius* Fr. Mycologia **50**: 103–110.
- 1958b New genera of fungi. IX. The probable ancestor of the Strophariaceae: *Weraroa* gen. nov. Lloydia **21**: 45–47.
- 1958c Studies on secotiaceous fungi. VIII. A new genus in the Secotiaceae related to *Gomphidius*. Mycologia **50**: 927–938 (with A. H. Smith).
- 1958d Fungi Mexicani, series secunda—Agaricales. Sydowia **12**: 221–243.
- 1958e Studies towards a monograph of the South American species of *Marasmius*. Sydowia **12**: 54–148.
- 1958f Pilze, die Zerebralmyzetismen verursachen. Schweizerische Zeitschrift für Pilzkunde **36**: 81–89.
- 1958g Monographs of South American Basidiomycetes, especially those of the east slope of the Andes and Brazil. I. The genus *Pluteus* in South America. Lloydia **21**: 195–299.
- 1958h Mycological investigation on Teonanácatl, the Mexican hallucinogenic mushroom. Part II. A taxonomic monograph of *Psilocybe*, Section *Caerulescentes*. Mycologia **50**: 262–303 (with A. H. Smith).
- 1958i New species of *Galerina*. Mycologia **50**: 469–489 (with A. H. Smith).
- 1958j A petrified basidiomycete from Patagonia. American Journal of Botany **45**: 194–198 (with S. Archangelsky).
- 1958k New species of *Psilocybe*. Mycologia **50**: 141–142 (with A. H. Smith).
- 1958l A new species of *Psathyrella*. Lloydia **21**: 26–28 (with A. H. Smith and G. Gúzman Huerta).
- 1958m Studies on secotiaceous fungi. I. A monograph of the genus *Thaxterogaster*. Brittonia **10**: 201–216 (with A. H. Smith).
- 1958n Studies on secotiaceous fungi. II. *Endoptychum depressum*. Brittonia **10**: 216–221 (with A. H. Smith).

- 1958o Studies on secotiaceous fungi. III. The genus *Weraroa*. Bulletin of the Torrey Botanical Club **85**: 324–334 (with A. H. Smith).
- 1958p The meaning of the affinity of the Secotiaceae with the Agaricales. Sydowia **12**: 1–43.
- 1958q Observations on agarics causing cerebral mycetisms. Mycopathologia et Mycologia Applicata **9**: 261–284 (with S. I. Stein, R. W. Ames, and A. H. Smith).
- 1958r Mycological investigation on Teonanáctl, the Mexican hallucinogenic mushroom. Part I. The history of Teonanácatl, field work and culture work. Mycologia **50**: 239–261.
- 1958s Libri novi: Immunodiagnostika Aktinomicoza [Immunodiagnostic of Actinomycosis], by D. I. Asnin. Mycopathologia et Mycologia Applicata **9**: 259–260.
- 1959a Contributions towards a monograph of the genus *Pluteus*. II. Transactions of the British Mycological Society **42**: 223–226.
- 1959b New and interesting species of Basidiomycetes. VI. Mycologia **51**: 375–400.
- 1959c Basidiomycetes from Masatierra (Juan Fernandez Islands, Chile). Arkiv för Botanik, ser. 2, **4**: 371–400.
- 1959d A new species of the genus *Weraroa* from South America. Darwiniana **11**: 607–610 (with J. Wright).
- 1959e Studies in secotiaceous fungi. VI. *Setchelliogaster* Pouzar. Madroño **15**: 73–79 (with A. H. Smith).
- 1959f Studies on secotiaceous fungi. IV. *Gastroboletus*, *Truncocolumella*, and *Chamonixia*. Brittonia **11**: 205–223 (with A. H. Smith).
- 1959g Studies on secotiaceous fungi. V. *Nivatogastrium* gen. nov. Brittonia **11**: 224–228 (with A. H. Smith).
- 1959h Hongos alucinogenos. Boletín de Academia Nacional de Ciencias, Córdoba, **41**: 31–46.
- 1959i Dos géneros de hongos nuevos para Argentina. Boletín de la Sociedad Argentina de Botánica **8**: 9–13.
- 1959j Micorrizas y comunidades forestales. Ninth International Botanical Congress Proceedings 2: IIA (with J. Morello).
- 1959k Type studies on Basidiomycetes. IX. Sydowia **13**: 235–238.
- 1959l Libri novi: Candidosy (vzbuditeli, klinika, i epidemiologia) [Candidoses (causative agents, clinical data, and epidemiology)], by P. N. Kashkin. Mycopathologia et Mycologia Applicata **11**: 170–171.
- 1959m Notes on Boletes. XI. Mycologia **51**: 564–577 (with W. H. Snell and E. A. Dick). [published in 1960]
- 1959n New and interesting species of Basidiomycetes. VII. Mycologia **51**: 578–594. [published in 1960]
- 1960a New genera of fungi. XI. A marasmoid agaric with bilateral trama. Lilloa **30**: 375–379.
- 1960b Dos especies interesantes de Agaricales en Punta Lara. Boletín de la Sociedad Argentina de Botánica **8**: 216–218.
- 1960c *Pluteus lilacinus*. Mycologia **52**: 337–338.
- 1960d Three new species of Secotiaceae from Patagonia. Persoonia **1**: 385–391.
- 1960e Studies on secotiaceous fungi. VII. *Secotium* and *Neosecotium*. Madroño **15**: 152–158 (with A. H. Smith).
- 1960f Monographs of South American Basidiomycetes especially those of the east slope of the Andes and Brazil. III. Reduced marasmoid genera in South America. Sydowia **14**: 258–280.
- 1960g Persoon's Synopsis 1801 as starting point for all fungi. Taxon **9**: 35–37.
- 1960h Studies on secotiaceous fungi. IX. The Astrogas-traceous series. Memoirs of the Torrey Botanical Club **21**: 1–112 (with A. H. Smith).
- 1960i Las boletaceas de Sudamerica tropical. Lilloa **30**: 141–164 (with A. P. Digilio).
- 1960j Sobre algunas especies de hongos presumiblemente psicotropicos. Lilloa **30**: 117–127.
- 1960k Ectotrophic forest tree mycorrhizae and forest communities. Ecology **41**: 549–551 (with J. H. Morello).
- 1961a Monographs of South American Basidiomycetes especially those of the east slope of the Andes and Brazil. IV. *Inocybe* in the Amazone region with a supplement to part I (*Pluteus* in South America). Sydowia **15**: 112–132.
- 1961b Diagnoses fungorum novorum Agaricalium. II. Sydowia **15**: 45–83.
- 1961c Two genera of fungi new for South America. Vellozia **1**: 14–19. [published in 1962]
- 1961d *Macrolepiota olivascens*. Schweizerische Zeitschrift für Pilzkunde **39**: 154–155 (with M. Moser).
- 1961e Type studies on Basidiomycetes. X. Persoonia **2**: 1–62.
- 1961f Type studies on agarics. IV. Sydowia **15**: 133–151.
- 1961g Mushrooms and truffles: botany, cultivation, utilization. Leonard Hill, London. 272 pp.
- 1961h Fungi of northern Brazil. Universidade do Recife Instituto de Micologia **304**: 1–26.
- 1961i Review of: Die Gattung *Phlegmacium* (Schleimköpfe). (Die Pilze Mitteleuropas, Band IV), by M. Moser. Mycologia **52**: 823–825.
- 1961j Nomina conservanda proposita (Rhodophyllus). Taxon **10**: 249–251.
- 1962a Monographs of South American Basidiomycetes especially those of the east slope of the Andes and Brazil. V. Gasteromycetes with agaricoid affinities (secotiaceous Hymenogastrineae and related forms). Boletín de la Sociedad Argentina Botánica **10**: 52–67.
- 1962b New genera of fungi. VIII. Persoonia **2**: 407–415.
- 1962c The Agaricales in Modern Taxonomy. 2nd ed. Verlag J. Cramer, Weinheim. 915 pp.
- 1962d Estudio sobre los Basidiomicetes Antárticos. Contribución del Instituto Antártico Argentino (Buenos Aires) **71**: 3–45 (with A. Corte).
- 1962e A study of Antarctic Basidiomycetes. Pp. 161–163. In: Biologie Antarctique, Hermann, Paris (with A. Corte).
- 1962f Review of: Flora Czechoslovak Republic–Gasteromycetes, Houby-Břichatky (Gasteromycetes-puffballs), A. Pilát., ed. Mycologia **52**: 968–970.
- 1962g Review of: The Biology of Mycorrhiza, by J. L. Harley. Mycologia **52**: 970–972.

- 1962h Review of: Champignons Comestibles et Vénéneux, by M. Locquin and B. Cortin. *Mycologia* **53**: 314–316.
- 1962i Keys for the determination of the Agaricales. Verlag J. Cramer, Weinheim. 64 pp.
- 1963a New genera of fungi. XI—*Endolepiotula*. *Sydowia* **16**: 260–262.
- 1963b Oak mycorrhiza fungi in Colombia. *Mycopathologia et Mycologia Applicata* **20**: 239–252.
- 1963c Notes on secotiaceous fungi: *Galeropsis* and *Brauniella*. Koninklijke Nederlandse Akademie van Wetenschappen—Amsterdam, Proceedings, Series C, **66**: 106–117.
- 1963d Monographs of South American Basidiomycetes especially those of the east slope of the Andes. VI. “Mesophelliaceae” and “Cribbeaceae” of Argentina and Brazil. *Darwiniana* **12**: 598–611 (with J. E. Wright and E. Horak).
- 1963e *Skepperiella populi* y la filogenia de las “Cyphellaceae.” Boletín de la Sociedad Argentina Botánica **10**: 209–214.
- 1963f Four interesting European Russulae of subsections *Sardoninae* and *Urentinae*, sect. *Russula*. *Sydowia* **16**: 289–301.
- 1963g The delimitation of the genus *Pseudobaeospora*. *Mycologia* **55**: 13–17.
- 1963h Un hongo nuevo comestible de Sudamérica. Boletín de la Sociedad Argentina de Botánica **10**: 207–208.
- 1963i Der “Ektotroph”, seine Definition, geographische Verbreitung und Bedeutung in der Forstökologie, pp. 223–231. In: International Mykorrhiza-Symposium. Weimar, 1960.
- 1963j Beitrag zur Frage der *Stropharia imaina* Benedix. *Zeitschrift für Pilzkunde* **29**: 107–109.
- 1963k Paraphyses. *Taxon* **12**: 147–150 (with I. J. Gamundi).
- 1963l A revision of the genus *Thaxterogaster* Singer. *Madroño* **17**: 22–26 (with A. H. Smith).
- 1963m The genus *Fuscoboletinus*. *Mycologia* **55**: 352–357 (with W. H. Snell and E. A. Dick).
- 1963n The Herpell method of preparing fleshy fungi. *Mycologia* **55**: 683–684.
- 1964a New genera of fungi XII: *Hybogaster*. *Sydowia* **17**: 12–16.
- 1964b New genera of fungi XIII—*Rhodoarhenia*. *Sydowia* **17**: 142–145.
- 1964c Monographs of South American Basidiomycetes, especially those of the east slope of the Andes and Brazil. VII. Boletes and Related Groups in South America—The families Paxillaceae, Gomphidiaceae, Boletaceae and Strobilomycetaceae. *Nova Hedwigia* **7**: 93–132.
- 1964d Monographs of South American Basidiomycetes, especially those of the east slope of the Andes and Brazil. VIII. Oudemansiellinae, Macrocystidinae, Pseudohiatulininae in South America. *Darwiniana* **13**: 145–190.
- 1964e Die Gattung *Gerronema*. *Nova Hedwigia* **7**: 53–92.
- 1964f *Marasmius* congolais recueillis par Mme. Goossens-Fontana et d'autres collecteurs Belges. Bulletin du Jardin Botanique de l'état Bruxelles **34**: 317–388.
- 1964g Areal und ökologie des Ektotrophs in Südamerika. *Zeitschrift für Pilzkunde* **30**: 8–14.
- 1964h A monograph of the genus *Galerina* Earle. Hafner Publishing Company, New York. 384 pp. (with A. H. Smith).
- 1964i Las Setas y Las Trufas. Leonard Hill (Books) Ltd., Mexico D. F. 467 pp. [Spanish translation of 1961g]
- 1964j Studies on secotiaceous fungi. X. Additional data on *Gastroboletus*. *Mycologia* **56**: 310–313 (with A. H. Smith).
- 1965a Die Röhrlinge. I. Die Boletaceae (Die Pilze Mitteleuropas, Band V). Verlag Klinkhardt, Bad Heilbrunn. 131 pp.
- 1965b *Marasmius*. Flore iconographique des champignons du Congo **14**: 253–278, 3 plates. Jardin Botanique de l'état, Bruxelles.
- 1965c Monographs of South American Basidiomycetes, especially those of the east slope of the Andes and Brazil. II. The genus *Marasmius* in South America. *Sydowia* **18**: 106–358.
- 1965d Monographs of South American Basidiomycetes, especially those of the east slope of the Andes and Brazil. X. *Xeromphalina*. Boletín de la Sociedad Argentina Botánica **10**: 302–310.
- 1965e Interesting and new Agaricales from Brazil. Atlas do Instituto de Micologia (Universidade Federal de Pernambuco) **2**: 15–59.
- 1965f Two interesting Basidiomycetes from the State of Sao Paulo. *Rickia* **2**: 11–16 (with O. Fidalgo).
- 1965g Typification of revalidated pre-starting point taxa. *Taxon* **14**: 180–184.
- 1965h Schlüssel zur Bestimmung der Familien und Gattungen der Basidiomycetenordnung Agaricales. Separatdruck aus der Schweizerische Zeitschrift für Pilzkunde 1965/66: 1–44.
- 1965i Forest mycology and forest communities in South America. I. The early fall aspect of the mycoflora of the Cordillera Pelada (Chile), with a mycogeographic analysis and conclusions regarding the heterogeneity of the Valdivian Floral district. *Mycopathologia et Mycologia Applicata* **26**: 129–191 (with M. Moser and the collaboration of I. Gamundi, E. R. de la Sota and G. Sarmiento).
- 1965j Review of: A contribution toward a monograph of North American species of *Suillus*, by A. H. Smith and H. Thiers. *Mycologia* **57**: 669–674.
- 1965k Una nueva especie de *Hohenbuehelia* sobre stipa. Revista de la Facultad de Ciencias Agrarias, Universidad Nacional de Cuyo (Mendoza) **12**: 165–167.
- 1966a Notes on cyphellaceous fungi. *Darwiniana* **14**: 9–18.
- 1966b Macromycetes del Suelo de Bosques incendiados, pp. 589–601. In: Piterburg, R. O., ed., Impacto de los incendios naturales sobre los hongos rizopobadores en plantulas de *Nothofagus dombeyi*. Simposio de Microbiologia del Suelo, Bahia Blanca, 1966.
- 1966c The type of *Boletus amabilis*. *Mycologia* **58**: 157–159.

- 1966d Monographs of South American Basidiomycetes, especially those of the east slope of the Andes and Brazil. IX. *Tricholoma* in Brazil and Argentina. Darwiniana **14**: 19–35.
- 1967a La Micología y los recursos naturales renovables. Noticiario mensual Museo Nacional de Historia Natural **11**: 7–9.
- 1967b Nuevos hongos descubiertos en Chile. Biológica (Santiago) **41**: 69–71.
- 1967c Some Agaricales from the Congo. Persoonia **4**: 355–377 (with K. Grinling).
- 1967d Notes sur le genre *Laccaria*. Bulletin de la Société Mycologique de France **83**: 104–123.
- 1967e Die Röhrlinge. II. Die Boletoidae und Strobilomycetaceae (Die Pilze Mitteleuropas, Band VI). Verlag Klinkhardt, Bad Heilbrunn. 151 pp.
- 1967f Fungi distribution. Antarctic Map Folio series 5, pp. 16–17. In: Greene, S. W., J. L. Gressis, D. Koob, G. A. Llano, E. D. Rudolph, R. Singer, W. C. Steere, and F. C. Ugolini, eds., Terrestrial life of Antarctica. American Geographical Society of New York, 24 pp.
- 1967g Proposal to conserve the generic name *Rhodophyllus* Quel [Fungi]. Taxon **16**: 242–243.
- 1967h Review of: Die unterirdischen Pilze des Karpathenbeckens, by L. Szemere. Mycologia **58**: 985–986.
- 1968a Sand-dune inhabiting fungi of the South Atlantic coast from Uruguay to Bahía Blanca. Mycopathologia et Mycologia Applicata **34**: 129–143.
- 1968b Review of: Les Russules d'Europe et d'Afrique du Nord, by H. Romagnesi. Mycologia **60**: 1127–1130.
- 1969a Mycoflora Australis. Beihefte zur Nova Hedwigia **29**: 1–405.
- 1969b Augusto Chaves Batista. Sydowia **22**: 343–359.
- 1969c Alberto Castellanos 1896–1968. Taxon **18**: 308–309.
- 1970a Flora Neotropica Monograph No. 3. Omphalinae (*Clitocybe*-Tricholomataceae, Basidiomycetes). Hafner Publishing Co., New York & London. 84 pp.
- 1970b Flora Neotropica Monograph No. 4. *Phaeocollybia* (Cortinariaceae-Basidiomycetes). Hafner Publishing Co., New York & London. 13 pp.
- 1970c Flora Neotropica Monograph No. 5. Strobilomycetaceae (Basidiomycetes). Hafner Publishing Co., New York & London. 34 pp.
- 1970d New agarics from South America. Nova Hedwigia **20**: 785–792.
- 1970e The topotype of *Boletus amabilis* Peck. Mycologia **62**: 590–596.
- 1970f *Armillariella mellea*. Schweizerische Zeitschrift für Pilzkunde **48**: 25–29, 65–69.
- 1971a Two new ectotroph-forming boletes from India. Mycopathologia et Mycologia Applicata **43**: 25–33 (with B. Singh).
- 1971b Neue Arten von Agaricales. Schweizerische Zeitschrift für Pilzkunde **49**: 118–128 (with H. Cléménçon).
- 1971c Forest mycology and forest communities in South America. II. Mycorrhiza sociology and fungus succession in the *Nothofagus dombeyi*-*Austrocedrus chilensis* woods of Patagonia, pp. 204–215. In: Hackaylo, E., ed., Mycorrhizae, Proceedings of the First North American Conference on Mycorrhizae. Government Printing Office, Washington, D. C.
- 1971d A revision of the genus *Melanomphalia* as a basis for the phylogeny of the Crepidotaceae, pp. 441–474. In: Petersen, R. H., ed., Evolution of the Higher Basidiomycetes. University of Tennessee Press, Knoxville.
- 1971e Bayesian analysis of generic relations in Agaricales. Nova Hedwigia **21**: 753–787 (with R. E. Machol).
- 1972a New Basidiomycete from the Antarctic, pp. 179–180. In: Llano, G. A., ed., Antarctic Terrestrial Biology. Antarctic Research Series 20.
- 1972b Notes on some leucosporous and rhodosporous European agarics. Nova Hedwigia **23**: 305–351 (with H. Cléménçon).
- 1972c Cyanophilous spore walls in the Agaricales and agaricoid Basidiomycetes. Mycologia **64**: 822–829.
- 1973a The genera *Marasmiellus*, *Crepidotus* and *Simocybe* in the Neotropics. Beihefte zur Nova Hedwigia **44**: 1–517.
- 1973b Notes on bolete taxonomy. Persoonia **7**: 313–320.
- 1973c The *Marasmius*-blight fungus. Mycologia **65**: 468–473 (with L. T. Lucas and T. D. Warren).
- 1973d Diagnoses fungorum novorum Agaricalium. III. Beihefte zur Sydowia **7**: 1–106.
- 1973e Nomenclatorial status of *Gomphidius* Fries. Taxon **22**: 445–446.
- 1973f Marinus Anton Donk (1908–1972). Mycologia **65**: 503–506.
- 1973g Review of: The North American Species of *Psathyrella*, by A. H. Smith. Mycologia **65**: 975–976.
- 1973h Using Micheli as a field book. McIlvainea **1**(2): 14–18 (with R. E. Machol).
- 1973i Review of: Die Grundzüge eines natürlichen Systems der Pilze, by H. Kreisel. Mycologia **65**: 1378–1380.
- 1974a Notes on *Galerina*. Bulletin mensuel de la Société Linnéenne de Lyon, numéro spécial **43**: 389–405.
- 1974b A monograph of *Favolaschia*. Beihefte zur Nova Hedwigia **50**: 1–108.
- 1975a The Agaricales in Modern Taxonomy. 3rd ed., Verlag J. Cramer, Vaduz. 912 pp.
- 1975b Interesting and new species of Basidiomycetes from Ecuador. Beihefte zur Nova Hedwigia **51**: 239–246.
- 1975c The neotropical species of *Campanella* and *Aphyllotus* with notes on some species of *Marasmiellus*. Nova Hedwigia **26**: 847–896.
- 1975d Supplement to “Agaricales in Modern Taxonomy.” Nova Hedwigia **26**: 435–436.
- 1975e Albert Pilát (1903–1974). Mycologia **67**: 445–447.
- 1975f Tropical Russulaceae: *Lactarius* sect. *Polysphaerophori* in the Gulf area. Nova Hedwigia **26**: 897–901.
- 1975g Review of: Hříbovitě Huby, by A. Pilát and A. Dermek. Mycologia **67**: 440–441.

- 1975h Review of: Agarikovyé Shlyapochnye Griby (Por. Agaricales) Primorskovo Kraya [Die Blätterpilze und Röhrlinge (Agaricales) von Primorsky Region], by L. N. Vassilievá. *Mycologia* **67**: 1076.
- 1976a *Marasmieae* (Basidiomycetes-Tricholomataceae). Flora Neotropica Monograph No. 17. New York Botanical Garden, Bronx, New York. 347 pp.
- 1976b Le genre *Lepista* et la nomenclature correcte. Bulletin de la Société Mycologique de France **92**: 127–128.
- 1976c An interesting subspecies of *Boletus erythropus* (Fr. ex Fr.) Krombh. česká Mykologie **30**: 1–2 (with A. Dermek and J. Kuthan).
- 1976d Louis Secretan (1758–1839). Schweizerische Zeitschrift für Pilzkunde **54**: 81–86 (with C. Rège).
- 1976e Notes on *Chroogomphus* (Gomphidiaceae). česká Mykologie **30**: 81–89 (with J. Kuthan).
- 1976f An early-fruited *Armillariella*. Kew Bulletin **31**: 433–435.
- 1976g Einige interessante europäische Hygrophoraceae. Zeitschrift für Pilzkunde **42**: 5–13 (with J. Kuthan).
- 1976h Notes on Boletes. česká Mykologie **30**: 143–155 (with J. Kuthan).
- 1976i Agaricales nouvelles des Antilles Françaises. Bulletin de la Société Mycologique de France **92**: 445–447 (with J. P. Fiaré).
- 1976j Amparoinaceae and Montagneaceae. Revue de Mycologie **40**: 57–64.
- 1977a Praktische Anwendung der Erkenntnisse über die ektotrophe Mykorrhiza bei Waldbäumen. Allgemeine Forstzeitung (Wien) **88**: 53–56.
- 1977b A new species of *Gastroboletus* and its phylogenetic significance. *Mycologia* **69**: 59–72 (with E. E. Both).
- 1977c Amerikanische und Asiatische Agaricales, die in Europa und Nordafrika vorkommen. Zeitschrift für Pilzkunde **43**: 119–130.
- 1977d Die Gruppe der *Laccaria laccata* (Agaricales). Plant Systematics and Evolution **126**: 347–370.
- 1977e An interpretation of *Palaeosclerotium*. *Mycologia* **69**: 850–854.
- 1977f Are Secretan's fungus names valid? *Taxon* **26**: 251–255 (with R. E. Machol).
- 1977g Keys for the identification of the species of Agaricales. I. *Sydowia* **30**: 192–279.
- 1977h Controle de vassoura-de-bruxa. *Acta Amazonica* **7**: 570.
- 1977i The species concept in Agaricales and its adaptation to taxonomy, pp. 381–392. In: Cléménçon, H., ed., Species Concept in Hymenomycetes. Herbette Symposium. Bibliotheca Mycologica 61.
- 1977j Review of: A Monographic Study of the Genus *Pouzarella*, a New Genus in the Rhodophyllaceae, Agaricales, Basidiomycetes, by S. J. Mazzer. *Mycologia* **69**: 215–216.
- 1977k Review of: Memoirs of the New York Botanical Garden Vol. 28, No. 1. *Mycologia* **69**: 216–217.
- 1977l Taxonomic position of *Hydropus floccipes* and allied species—a quantitative approach. *Mycologia* **69**: 1162–1172 (with R. E. Machol).
- 1978a Notes on bolete taxonomy. II. *Persoonia* **9**: 421–438.
- 1978b *Omphalia alutacea*. Schweizerische Zeitschrift für Pilzkunde **56**: 154–156.
- 1978c On *Calocybe* names. *Mycotaxon* **6**: 500–502 (with S. A. Redhead).
- 1978d Review of: A Preliminary Agaric Flora of East Africa, by D. N. Pegler. *Mycologia* **70**: 476–477.
- 1978e Origins of the deficiency of Amazonian soils—a new approach. *Acta Amazonica* **8**: 315–316.
- 1978f Keys for the identification of the species of Agaricales. II. *Sydowia* **31**: 193–237.
- 1978g Hallucinogenic mushrooms, pp. 201–214. In: Rumack, B. H., and E. Salzman, eds., Mushroom Poisoning: Diagnosis and Treatment. CRC Press, West Palm Beach, Florida.
- 1978h Interesting and new species of Basidiomycetes from Ecuador. II. *Nova Hedwigia* **29**: 1–98.
- 1979a A new psilocybian species of *Copelandia*. Journal of Natural Products **42**: 469–474 (with R. A. Weeks and W. L. Hearn).
- 1979b Litter decomposition and ectomycorrhiza in Amazonian forests. *Acta Amazonica* **9**: 25–41 (with I. Araujo).
- 1979c Höhlenbewohnende Agaricales. *Sydowia* **32**: 299–304 (with U. Passauer).
- 1980a Comparison of some lignicolous white-spored American agarics with European species. česká Mykologie **34**: 57–73 (with J. Kuthan).
- 1980b Review of: North American Species of *Lactarius*, by L. R. Hesler and A. H. Smith. *Mycologia* **72**: 649.
- 1980c New taxa of *Russula* from the Lesser Antilles. *Mycotaxon* **12**: 92–96 (with D. N. Pegler).
- 1981a New genera of Agaricales. *Mycologia* **73**: 500–510.
- 1981b *Resinomycena* gen. nov. (Agaricales), an ally of *Hydropus*, *Mycena* and *Baeospora*. *Mycotaxon* **13**: 150–170 (with S. A. Redhead).
- 1981c Illustrations of tropical Agaricales. *Nova Hedwigia* **35**: 151–156.
- 1981d Notes on Bolete Taxonomy. III. *Persoonia* **2**: 269–302.
- 1982a Galeropsidaceae west of the Rocky Mountains. *Mycotaxon* **14**: 82–90 (with P. Ponce de León).
- 1982b Notes on *Russula* taxonomy. I. The Russulae of Catalonia. *Collectanea Botánica* **13**: 669–700.
- 1982c North Indian Agaricales. II. *Sydowia* **35**: 236–241 (with S. S. Saini and N. S. Atri).
- 1982d Basidiomycetes of Costa Rica. I. *Brenesia* **19/20**: 31–47 (with L. D. Gómez).
- 1982e *Hydropus* (Basidiomycetes-Tricholomataceae-Myceneae). Flora Neotropica Monograph No. 32. New York Botanical Garden, Bronx, New York. 153 pp.
- 1982f A Correction by Rolf Singer. *Botanical Museum of Harvard University* **8**: 1–5.
- 1983a Weiss-und rosasporige Agaricales (Tricholomataceae und Pluteaceae) aus österreich. *Sydowia* **36**: 277–287. [published in 1984]
- 1983b Problemas sistemáticos en los Agaricales. Boletín de la Sociedad Mexicana de Micología **18**: 13–19.

- 1983c *Acanthocytes* in *Amparoina* and *Mycena*. *Cryptogamie Mycologie* **4**: 111–115.
- 1983d The Sydney Rules and the Nomenclature of *Russula* species. *Mycotaxon* **18**: 191–200 (with R. E. Machol).
- 1983e Sister Mary Cecilia Bodman, 1905–1982. *Mycologia* **75**: 932–933 (with P. Ponce de León).
- 1983f The ectotrophically mycorrhizal fungi of the neotropical lowlands, especially central Amazonia. *Beihefte zur Nova Hedwigia* **77**: 1–352 (with I. Araujo and M. H. Ivory).
- 1984a Tropical Russulaceae. II. *Lactarius* section *Panuoidei*. *Nova Hedwigia* **40**: 435–447.
- 1984b The role of fungi in Amazonian forests and in reforestation, pp. 603–614. In: Sioli, H., ed., *The Amazon. Limnology and Landscape Ecology of a Mighty Tropical River and Its Basin*. Dr. W. Junk Publishers, Dordrecht, Boston, Lancaster.
- 1984c Adaptation of higher fungi to Várzea conditions. *Amazoniana* **8**: 311–319.
- 1984d *Agaricus brunnescens* Peck and *Agaricus bisporus* (Lange) Imbach. *Mycotaxon* **20**: 479–482.
- 1984e Three proposals to amend the Code. *Taxon* **33**: 745–747.
- 1984f *Veloporphyrellus*, a new genus of Boletaceae from Costa Rica. *Brenesia* **22**: 293–298 (with L. D. Gómez).
- 1984g The Basidiomycetes of Costa Rica. III. The genus *Phylloporus* (Boletaceae). *Brenesia* **22**: 163–181 (with L. D. Gómez).
- 1985 Studies on Secotiaceous Fungi. I. A new species of *Cystangium*. *Mycologia Helvetica* **1**: 417–425.
- 1986a The Agaricales in Modern Taxonomy, 4th ed. Koeltz Scientific Books, Koenigstein, Federal Republic of Germany. 981 pp.
- 1986b The nomenclature of *Russula* species and the Sydney Rules. *Persoonia* **13**: 189–192 (with R. Machol).
- 1986c Litter decomposing and ectomycorrhizal basidiomycetes in an Igapó Forest. *Plant Systematics and Evolution* **153**: 107–117 (with I. A. Aguiar).
- 1986d How to become a mycologist. I. The conservation of material and notes. *McIlvainea* **7**(2): 18–23.
- 1986e A new species of *Psilocybe* (Agaricales). *Plant Systematics and Evolution* **151**: 295–301 (with A. Hausknecht).
- 1986f Basidiomyceten–Nomenklatur im kommenden Internationalen Botanischen Kongress, Berlin, Juli 1987. *Zeitschrift für Mykologie* **52**: 439–443.
- 1987a Mushrooms and Truffles, 2nd ed. Koeltz Scientific Books, Koenigstein, Federal Republic of Germany. 389 pp (with B. Harris).
- 1987b *Phaeocollybia* in the oak woods of Costa Rica, with notes on extralimital taxa. *Mycologia Helvetica* **2**: 247–266.
- 1987c *Mycena theobromicola*, a fungus associated with cacao pod rot. *Mycologia* **79**: 463–464.
- 1987d The starting point rules and stability of nomenclature. *Plant Systematics and Evolution* **156**: 177–181.
- 1987e How to become a mycologist. II. The teaching of mycology, especially Agaricales. *McIlvainea* **8**(1): 22–26.
- 1988a Agaricales mit Volva. *Zeitschrift für Mykologie* **54**: 41–44.
- 1988b Über einige Crepidotaceae. *Zeitschrift für Mykologie* **54**: 69–72.
- 1988c The role of fungi in periodically inundated Amazonian forests. *Vegetatio* **78**: 27–30.
- 1988d Notes on *Conocybe* (Bolbitiaceae). *Plant Systematics and Evolution* **159**: 107–121 (with A. Hausknecht).
- 1988e Notes on Neotropical *Austroboletus* species. *Mycologia* **80**: 46–53 (with C. B. Wolfe and R. Walsh).
- 1988f The phylogeography of the Boletineae (Basidiomycetes, Agaricales) based on Mexican species. *Revista Mexicana de Micología* **4**: 267–274.
- 1988g *Laccaria gomezii*, a new agaric species from the querceta of Colombia and Costa Rica. *Mycotaxon* **33**: 223–227 (with G. M. Mueller).
- 1988h How to become a mycologist. III. Mutualistic interactions. *McIlvainea* **8**(2): 10–11 (with G. M. Mueller).
- 1988i New tropical species in the Paxillaceae. *Mycologia Helvetica* **3**: 207–213 (with D. J. Lodge).
- 1989a New taxa and new combinations of Agaricales (Diagnoses Fungorum Novorum Agaricalium IV). *Fieldiana: Botany, n.s.*, **21**: 1–133.
- 1989b Agaricales from Henderson Islands (South Pacific). *Mycologia* **81**: 793–796.
- 1989c *Conocybe hortana*—eine neue Art mit Volva aus Österreich (mit einer Farbtafel, siehe bei Seite 80). *Beiträge zur Kenntnis der Pilze Mitteleuropas* **5**: 87–91 (with A. Hausknecht).
- 1989d Reflections on Mycorrhizal Research, pp. 625–627. In: Stirton, C. H., and J. L. Zarucchi, eds., *Advances in Legume Biology. Monographs in Systematic Botany from the Missouri Botanical Garden* 29.
- 1989e Two interesting fungi of the Western Hemisphere. *The Mycologist* **3**: 70–71 (with J. Garcia).
- 1989f Review of: Pareys Buch der Pilze, by M. Bon. *Mycologia* **81**: 826.
- 1990a The Boletineae of Mexico and Central America. I and II. *Beihefte zur Nova Hedwigia* **98**. 70 pp. (with J. Garcia and L. D. Gómez).
- 1990b *Clitocybe obsoleta*. *Zeitschrift für Mykologie* **56**: 5–7.
- 1990c New species of *Phylloporus* and *Tricholomopsis* from Colombia, with notes on *Phylloporus boletinoides*. *Mycologia* **82**: 452–459 (with C. L. Ovrebo and R. E. Halling).
- 1990d Some interesting agarics from eastern Austria. *Plant Systematics and Evolution* **170**: 133–150 (with A. Hausknecht).
- 1990e Agaricales new for Mexico or Central America. *Anales del Instituto de Biología de la Universidad Nacional de Autónoma de México, Ser. Bot.* **60**(1): 27–36.
- 1990f Upper Eocene gilled mushroom from the Dominican Republic. *Science* **248**: 1099–1101 (with G. O. Poinar, Jr.).
- 1990g A new species of *Melanomphalia* (Crepidotaceae). *Mycotaxon* **37**: 47–52 (with C. L. Ovrebo and D. P. Lewis).

- 1991a The Boletineae of Mexico and Central America. III. Beihefte zur Nova Hedwigia **102**. 97 pp. (with J. García and L. D. Gómez).
- 1991b A new species of *Marasmius* from northwestern India. Nova Hedwigia **52**(1–2): 227–230 (with A. Kumar, T. N. Lakhanpal and S. L. Stephenson).
- 1992a The Boletineae of Mexico and Central America. IV. Beihefte zur Nova Hedwigia **105**. 62 pp. (with J. García and L. D. Gómez).
- 1992b The group of *Conocybe mesospora* in Europe (Bolbitiaceae). Plant Systematics and Evolution **180**: 77–104 (with A. Hausknecht).
- 1992c Some boletes from Florida. Mycologia **84**: 724–728 (with R. Williams).
- 1994 Toward a definition of the genus in mycological taxonomy, pp. 92–94. *In*: Cléménçon, H., ed., Generic Concepts in Mycology. Proceedings of the Second Herbette Symposium in Lausanne, Switzerland, 1991. Mycologia Helvetica **6**.

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